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Energy Statistics Sourcebook

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OECD Member Nations
IEA Member Nations

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Oil & Gas Journal Energy Database

Energy Statistics Sourcebook

Introduction

The energy industry, and particularly the oil and gas segment, is in an unprecedented period of volatility. Within the last 15 years the industry has moved through both a period of record highs, and a period of record or near record lows. There are few, if any, signs of an end to the volatility.

Prices continue to fluctuate dramatically depending upon the latest output levels and market assessments of the OPEC producers with substantial excess capacity.

Energy consumption trends are changing. Continuing economic growth is boosting the demand for energy. Relatively low energy prices have diminished energy conservation efforts by reducing the financial incentive. This is resulting in increasing demand for petroleum products, natural gas and other forms of energy.

With all of these changes taking place, making intelligent and profitable decisions in today's energy industry requires careful evaluation of the recent past. This requires access to a substantial amount of statistical data describing industry activities.

This Energy Statistics Sourcebook has been designed to provide the basic key statistics necessary for oil and gas industry analysis in one convenient publication. Not only to provide the key statistics necessary, but to provide them for a sufficient time period and in sufficient detail for conducting all types of analysis. In addition to providing annual data for all of the time series, the Sourcebook provides monthly data for much of the information. The monthly data enables the analyst to study seasonal patterns and to more accurately examine cyclical patterns. It also enables analysts to experiment with lead/lag relationships between time series or to test the relationship or correlation among various series. For most time series at least ten years of data have been provided, and the data extend through the last complete year of statistical information -- 1989.

For each industry segment the essential series necessary for analysis have been selected and presented by the economics staff of the Oil & Gas Journal. The selection of data is based on their years of experience in working with and collecting statistical information on the oil and gas industry. These are the key series for each industry sector selected from the 60,000 time series contained in the Oil & Gas Journal Energy Database. This database is the largest, most comprehensive, on-line database available for the oil, gas and energy industries. It would be impossible to capture the entire database library in a convenient printed publication. So this carefully selected compendium of key series has been developed for your convenience. You will find it an extremely useful tool for analysis and understanding of trends in the industry.

The statistical tables have been grouped into chapters. Each chapter describes a major sector of the industry. As an added feature, the Oil & Gas Journal economics staff has provided graphic presentations of key series. These graphs give a vivid picture of the changes that have occurred in the industry in recent years. The charts illustrate additional ways that the statistics in the Sourcebook can be used for analysis.

All of these features have been designed to provide you with an easy to use book for industry analysis and source for energy statistics -- the Energy Statistics Sourcebook from Oil & Gas Journal Energy Database.

Keep it on your desk within easy reach and you will soon find it a valuable aid in your analysis of the industry.

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Active Drilling Rigs
Total U.S.
Monthly Average

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1942	758.0	729.0	692.0	719.0	760.0	767.0	833.0	807.0	762.0	764.0	752.0	789.0	**761.0**
1943	703.0	749.0	788.0	805.0	847.0	913.0	1,008.0	1,078.0	1,124.0	1,196.0	1,258.0	1,316.0	**982.1**
1944	1,292.0	1,324.0	1,365.0	1,412.0	1,475.0	1,559.0	1,628.0	1,677.0	1,723.0	1,780.0	1,821.0	1,770.0	**1,568.8**
1945	1,706.0	1,681.0	1,672.0	1,686.0	1,707.0	1,712.0	1,699.0	1,699.0	1,725.0	1,731.0	1,766.0	1,736.0	**1,710.0**
1946	1,665.0	1,504.0	1,427.0	1,479.0	1,458.0	1,491.0	1,493.0	1,533.0	1,624.0	1,665.0	1,660.0	1,673.0	**1,556.0**
1947	1,535.0	1,582.0	1,603.0	1,615.0	1,656.0	1,764.0	1,850.0	1,897.0	1,927.0	1,995.0	2,006.0	1,967.0	**1,783.1**
1948	1,944.0	1,882.0	1,871.0	2,002.0	2,150.0	2,219.0	2,256.0	2,297.0	2,268.0	2,320.0	2,364.0	2,314.0	**2,157.3**
1949	2,027.0	1,948.0	2,006.0	2,050.0	2,062.0	2,033.0	1,960.0	1,947.0	1,930.0	1,971.0	2,112.0	2,162.0	**2,017.3**
1950	1,968.0	1,898.0	1,959.0	2,026.0	2,087.0	2,197.0	2,201.0	2,210.0	2,207.0	2,329.0	2,384.0	2,386.0	**2,154.3**
1951	2,168.0	2,060.0	2,173.0	2,318.0	2,444.0	2,518.0	2,598.0	2,697.0	2,780.0	2,860.0	2,930.0	2,975.0	**2,543.4**
1952	2,774.0	2,706.0	2,694.0	2,771.0	2,828.0	2,783.0	2,490.0	2,341.0	2,406.0	2,522.0	2,655.0	2,718.0	**2,640.7**
1953	2,518.0	2,468.0	2,466.0	2,528.0	2,564.0	2,630.0	2,626.0	2,618.0	2,614.0	2,710.0	2,787.0	2,831.0	**2,613.3**
1954	2,491.0	2,508.0	2,553.0	2,604.0	2,560.0	2,542.0	2,480.0	2,401.0	2,355.0	2,382.0	2,523.0	2,701.0	**2,508.3**
1955	2,424.0	2,455.0	2,548.0	2,618.0	2,671.0	2,732.0	2,698.0	2,728.0	2,752.0	2,768.0	2,850.0	2,991.0	**2,686.3**
1956	2,635.0	2,482.0	2,647.0	2,689.0	2,723.0	2,756.0	2,622.0	2,522.0	2,526.0	2,551.0	2,572.0	2,716.0	**2,620.1**
1957	2,337.0	2,294.0	2,425.0	2,391.0	2,346.0	2,465.0	2,528.0	2,532.0	2,500.0	2,408.0	2,390.0	2,497.0	**2,426.1**
1958	2,017.0	1,935.0	1,768.0	1,807.0	1,802.0	1,824.0	1,799.0	1,897.0	1,915.0	1,979.0	2,081.0	2,261.0	**1,923.8**
1959	1,881.0	1,816.0	1,920.0	2,071.0	2,146.0	2,242.0	2,200.0	2,132.0	2,123.0	2,076.0	2,152.0	2,095.0	**2,071.2**
1960	1,691.6	1,669.8	1,667.3	1,792.8	1,822.0	1,788.8	1,715.8	1,701.4	1,746.1	1,735.6	1,804.7	1,842.8	**1,748.2**
1961	1,594.6	1,518.3	1,599.8	1,630.8	1,764.6	1,793.3	1,832.0	1,854.8	1,853.0	1,822.2	1,886.0	1,983.0	**1,761.0**
1962	1,711.4	1,618.8	1,602.0	1,639.6	1,645.5	1,634.5	1,624.0	1,692.5	1,687.8	1,598.0	1,602.2	1,633.4	**1,640.8**
1963	1,394.5	1,382.8	1,400.2	1,454.6	1,548.0	1,538.5	1,530.2	1,467.5	1,466.2	1,536.8	1,607.5	1,663.6	**1,499.2**
1964	1,481.5	1,378.5	1,417.4	1,420.5	1,506.5	1,576.8	1,580.5	1,549.0	1,512.3	1,514.0	1,525.4	1,548.3	**1,500.9**
1965	1,359.2	1,256.2	1,285.8	1,308.0	1,385.0	1,416.5	1,392.8	1,376.8	1,393.0	1,442.0	1,491.4	1,545.5	**1,387.7**
1966	1,336.4	1,200.5	1,226.8	1,266.3	1,237.2	1,281.3	1,253.0	1,308.2	1,229.5	1,272.4	1,311.7	1,336.7	**1,271.7**
1967	1,159.4	1,058.3	1,035.5	1,054.8	1,070.2	1,038.5	1,106.6	1,146.5	1,155.5	1,191.2	1,252.8	1,345.3	**1,134.6**
1968	1,151.0	1,054.0	1,050.5	1,091.6	1,132.8	1,127.5	1,120.4	1,176.0	1,206.0	1,220.3	1,319.5	1,386.0	**1,169.6**
1969	1,260.0	1,102.8	1,038.6	1,094.3	1,135.0	1,201.4	1,212.3	1,210.8	1,199.6	1,237.5	1,275.8	1,360.8	**1,194.1**
1970	1,207.3	1,044.8	946.4	945.5	1,010.5	996.8	983.8	949.2	946.5	1,003.8	1,120.4	1,182.3	**1,028.1**
1971	1,007.3	871.8	828.0	875.5	892.0	911.3	954.3	980.0	1,039.0	1,037.0	1,137.6	1,171.5	**975.4**
1972	1,146.8	1,071.3	1,034.3	1,001.8	1,005.0	1,049.0	1,103.6	1,129.8	1,152.0	1,165.2	1,186.5	1,241.0	**1,107.2**
1973	1,219.0	1,126.0	1,049.0	993.0	1,046.0	1,118.3	1,155.6	1,222.3	1,265.8	1,334.4	1,389.8	1,405.0	**1,193.7**
1974	1,371.8	1,355.0	1,367.3	1,380.6	1,412.5	1,432.3	1,480.2	1,518.3	1,527.2	1,583.8	1,596.3	1,642.6	**1,472.3**
1975	1,615.3	1,611.3	1,650.8	1,604.5	1,592.3	1,612.8	1,616.5	1,645.3	1,699.4	1,716.3	1,757.3	1,793.0	**1,659.6**
1976	1,710.5	1,594.0	1,540.4	1,480.0	1,496.0	1,545.8	1,596.8	1,690.6	1,743.8	1,794.3	1,839.8	1,860.5	**1,657.7**
1977	1,850.0	1,855.8	1,887.0	1,907.3	1,982.0	2,007.7	2,023.0	2,066.0	2,084.3	2,100.8	2,112.8	2,141.0	**2,001.5**
1978	2,127.6	2,134.8	2,153.5	2,198.3	2,249.4	2,286.5	2,306.8	2,324.5	2,331.8	2,346.2	2,356.3	2,285.5	**2,258.4**
1979	2,199.4	2,063.8	1,970.8	1,943.2	1,960.3	1,998.7	2,093.8	2,221.8	2,283.5	2,379.6	2,459.8	2,551.8	**2,177.2**
1980	2,571.4	2,613.0	2,658.4	2,682.5	2,797.0	2,850.0	2,953.0	3,044.8	3,099.2	3,148.5	3,220.3	3,285.6	**2,910.3**

Active Drilling Rigs
Total U.S.
Monthly Average

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981	3,386.3	3,502.3	3,595.4	3,728.0	3,816.5	3,926.4	3,997.5	4,131.4	4,241.5	4,351.5	4,436.4	4,520.5	**3,969.5**
1982	4,436.0	4,159.8	3,815.8	3,459.5	3,177.8	2,908.4	2,745.8	2,620.0	2,482.5	2,401.5	2,499.8	2,695.8	**3,116.9**
1983	2,621.8	2,192.3	2,003.3	1,845.8	1,926.0	1,978.8	2,038.8	2,156.2	2,251.5	2,381.8	2,572.3	2,780.0	**2,229.1**
1984	2,666.4	2,422.8	2,245.0	2,119.6	2,277.0	2,363.0	2,386.0	2,417.0	2,420.0	2,492.0	2,629.0	2,713.0	**2,429.2**
1985	2,452.0	2,188.0	1,955.0	1,877.0	1,865.0	1,858.0	1,909.0	1,931.0	1,930.0	1,879.0	1,912.0	1,950.0	**1,975.5**
1986	1,810.0	1,444.0	1,139.0	906.0	781.0	705.0	686.0	730.0	755.0	819.0	899.0	963.0	**969.8**
1987	900.0	818.0	772.0	754.0	763.0	788.0	901.0	1,003.0	1,101.0	1,124.0	1,152.0	1,162.0	**936.5**
1988	1,076.0	976.0	951.0	917.0	891.0	897.0	912.0	930.0	927.0	923.0	918.0	924.0	**936.8**
1989	841.0	762.0	753.0	771.0	754.0	795.0	832.0	886.0	955.0	984.0	1,041.0	1,065.0	**869.9**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Active Drilling Rigs
By State
Average

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	6.8	8.3	14.6	13.2	11.8	14.2	17.2	13.5	12.5	12.6
Alaska	13.7	5.0	5.3	5.3	9.0	13.9	14.3	15.0	15.5	13.5
Arizona	0.5	0.8	0.9	1.9	1.1	0.3	0.8	0.5	0.4	0.0
Arkansas	13.4	14.9	15.3	14.8	17.5	13.9	14.8	14.6	13.9	10.4
California	52.2	45.9	46.1	50.5	71.9	79.5	88.9	89.5	94.1	95.6
Land	42.0	40.5	44.8	48.7	69.6	76.2	84.7	81.3	86.4	85.7
Offshore	10.2	5.4	1.3	1.8	2.2	3.3	4.2	8.2	7.8	9.9
Colorado	25.6	29.8	36.1	42.0	45.5	42.5	38.1	44.7	41.1	40.2
Florida	4.5	10.8	17.7	9.3	8.5	9.1	5.0	6.1	6.3	5.3
Georgia	0.1	0.1	0.1	0.8	0.4	0.2	0.0	0.4	0.0	0.8
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Idaho	0.0	0.0	0.1	0.8	0.1	0.4	1.2	1.3	3.2	1.8
Illinois	13.5	12.8	13.7	5.9	7.3	18.7	21.7	15.7	26.0	13.1
Indiana	0.6	1.1	1.5	0.2	1.1	1.9	1.7	3.3	4.4	0.3
Iowa	0.3	1.4	1.8	0.8	0.4	1.8	0.0	1.3	0.5	0.0
Kansas	30.4	28.9	25.0	28.2	43.8	57.4	50.7	67.4	75.6	62.5
Kentucky	0.9	2.4	2.4	1.5	2.4	1.0	1.0	1.7	3.3	0.5
Louisiana	203.6	193.2	216.2	204.6	202.7	227.2	231.4	291.9	338.3	347.0
Inland Waters	57.0	49.6	54.0	55.6	57.5	55.0	49.0	56.3	62.5	62.1
North	11.7	15.9	20.0	23.1	29.3	31.4	33.8	45.2	39.8	34.5
South Land	56.4	53.7	59.9	55.1	49.2	63.6	65.4	81.3	113.9	112.3
Offshore	78.5	74.1	82.3	70.8	66.8	77.0	83.2	109.0	122.1	138.2
Maryland	0.1	0.0	1.5	0.4	0.0	0.5	0.6	0.4	0.7	0.5
Michigan	10.9	12.4	17.7	19.5	24.4	28.1	23.8	24.0	24.0	25.1
Minnesota	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mississippi	43.5	38.9	37.1	29.2	28.8	25.5	32.1	41.7	44.5	40.2
Missouri	0.0	0.0	0.0	0.1	0.3	0.3	0.0	0.1	0.0	0.0
Montana	16.6	17.5	19.9	19.0	24.4	26.8	28.2	27.1	30.1	32.9
Nebraska	6.0	4.5	6.2	4.6	6.8	9.0	7.7	9.2	9.6	9.2
Nevada	0.3	1.2	0.2	0.3	1.1	0.5	1.7	3.1	2.9	4.1
New Jersey	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
New Mexico	39.8	47.1	56.7	61.8	79.4	71.2	53.8	69.5	75.5	87.5
New York	0.3	0.9	1.0	1.5	6.8	7.6	9.0	7.2	7.0	8.7
North Carolina	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
North Dakota	8.5	8.7	7.4	9.8	11.5	17.1	18.7	23.8	39.1	56.5
Ohio	24.3	16.6	23.1	35.7	30.1	20.8	25.8	33.3	45.6	46.3
Oklahoma	97.8	89.7	90.6	115.0	145.9	177.4	186.6	233.2	258.2	246.8
Oregon	0.0	0.2	0.0	0.2	0.0	0.3	0.1	0.3	0.4	1.1
Pennsylvania	8.6	9.4	8.3	11.1	13.7	10.3	9.9	14.7	25.2	28.9
South Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Dakota	1.8	0.9	0.6	0.7	0.8	1.4	2.0	2.7	2.3	1.4
Tennessee	1.9	0.9	0.0	0.1	0.3	0.5	0.0	0.0	0.0	0.1

Active Drilling Rigs
By State
Average

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Texas	294.1	291.0	325.6	376.6	507.9	637.1	652.8	778.6	855.1	770.2
Dist. 1	NA	NA	NA	NA	17.0	29.5	55.8	52.8	37.2	23.8
Dist. 2	NA	NA	NA	NA	24.5	28.7	25.0	33.8	39.5	35.1
Dist. 3	NA	NA	NA	NA	59.3	66.4	66.0	84.8	99.2	106.2
Dist. 4	NA	NA	NA	NA	44.7	69.7	70.9	83.7	87.5	85.6
Dist. 5	NA	NA	NA	NA	14.2	15.8	16.0	18.6	35.4	29.3
Dist. 6	NA	NA	NA	NA	30.6	31.5	38.0	54.7	81.2	77.8
Dist. 7B	NA	NA	NA	NA	37.0	62.8	69.5	87.3	91.3	71.2
Dist. 7C	NA	NA	NA	NA	45.4	47.3	43.7	55.2	50.8	50.4
Dist. 8	NA	NA	NA	NA	109.1	121.5	105.9	107.2	98.7	90.7
Dist. 8A	NA	NA	NA	NA	40.5	57.2	47.6	61.8	65.0	50.6
Dist. 9	NA	NA	NA	NA	30.1	44.7	41.0	54.6	61.9	51.3
Dist. 10	NA	NA	NA	NA	34.6	41.0	37.0	42.2	60.4	48.1
Inland Waters	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Offshore	NA	NA	NA	NA	21.3	21.8	34.4	42.0	46.9	50.3
Utah	11.9	17.3	34.6	37.6	41.7	26.0	19.1	29.5	32.1	28.9
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Virginia	0.9	1.0	1.4	1.0	1.8	1.1	0.3	1.2	1.1	1.3
Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
West Virginia	15.8	17.4	16.9	20.1	18.3	9.6	11.9	16.5	27.1	29.8
Wyoming	70.9	44.8	61.7	70.0	107.1	107.4	86.4	118.0	136.4	147.2
Total U.S.	**1,028.1**	**975.4**	**1,107.2**	**1,193.7**	**1,472.3**	**1,659.6**	**1,657.7**	**2,001.5**	**2,258.4**	**2,177.2**
Inland Waters	57.0	49.6	54.0	55.6	57.5	55.0	49.0	56.3	62.5	62.1
Offshore	91.0	79.5	84.4	74.2	93.1	105.1	125.9	165.7	185.2	206.8
Land	880.1	846.4	968.8	1,063.9	1,321.7	1,499.5	1,482.8	1,779.4	2,010.7	1,908.4

Active Drilling Rigs
By State
Average

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	10.8	17.3	15.3	16.4	15.5	22.3	10.7	10.8	12.1	11.5
Alaska	13.8	23.5	21.6	13.8	14.1	20.2	12.9	8.7	12.2	11.3
Arizona	1.0	1.1	1.0	0.3	0.2	0.3	0.0	0.3	0.0	0.0
Arkansas	26.8	33.9	27.1	25.9	26.1	24.3	9.7	9.1	8.5	8.8
California	120.2	154.9	129.2	105.7	107.2	80.7	49.2	60.8	59.9	48.5
Land	104.7	133.7	106.6	83.4	89.2	68.8	44.1	54.6	52.9	42.9
Offshore	15.5	21.1	22.6	22.3	18.0	11.9	5.5	6.3	7.1	5.7
Colorado	61.1	81.6	60.7	52.2	53.9	49.9	24.7	24.8	28.7	27.0
Florida	4.1	7.8	4.6	4.4	3.6	6.8	2.3	2.8	1.5	2.1
Georgia	0.4	0.6	0.1	0.2	0.3	0.0	0.2	0.0	0.0	0.0
Hawaii	0.2	0.8	0.4	0.7	0.6	0.5	0.1	0.0	0.0	0.1
Idaho	2.6	3.2	1.5	1.2	0.8	1.3	1.2	0.4	1.1	0.0
Illinois	25.4	44.6	75.8	60.2	41.5	28.6	6.0	3.4	3.9	4.8
Indiana	0.1	1.2	7.1	5.9	6.6	3.7	1.3	0.6	0.0	0.1
Iowa	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.0	0.0
Kansas	120.2	196.2	158.0	124.1	127.6	91.7	47.2	48.4	40.2	42.8
Kentucky	1.7	5.3	9.5	8.4	8.1	6.3	2.6	2.1	5.4	5.4
Louisiana	427.4	455.6	344.3	282.5	309.9	283.1	143.3	135.0	163.4	139.8
Inland Waters	76.6	83.2	59.6	47.1	51.4	43.7	20.4	23.1	25.0	17.3
North	54.9	58.0	39.9	29.4	30.3	24.7	11.6	11.7	13.9	16.3
South Land	156.4	160.3	108.2	81.9	96.1	85.5	42.2	35.9	36.8	35.0
Offshore	139.4	154.1	136.6	124.2	132.3	129.4	69.2	64.8	87.8	71.5
Maryland	0.2	0.6	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Michigan	30.7	36.5	31.5	29.1	34.1	34.0	24.3	21.9	19.7	17.1
Minnesota	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Mississippi	57.6	71.5	41.9	32.8	32.4	30.9	15.4	13.1	17.6	16.8
Missouri	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0
Montana	49.2	81.4	36.6	23.9	36.0	22.8	9.9	8.6	8.0	5.5
Nebraska	14.3	15.1	9.4	9.0	9.1	6.6	3.3	5.3	3.0	1.4
Nevada	4.6	4.9	3.1	1.1	5.0	4.9	3.1	1.6	1.8	2.3
New Jersey	0.0	0.0	0.1	0.3	0.8	0.0	0.0	0.0	0.0	0.0
New Mexico	117.6	134.9	103.9	65.0	77.8	71.3	29.3	34.7	36.9	36.0
New York	7.0	11.6	15.1	10.2	8.9	5.2	2.3	2.1	1.2	0.5
North Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
North Dakota	83.4	118.8	69.8	42.5	50.9	38.5	13.6	14.2	14.5	14.8
Ohio	73.7	97.8	57.4	39.3	51.1	29.2	17.9	19.8	14.0	12.9
Oklahoma	397.3	698.4	623.2	285.2	319.2	251.5	142.2	136.8	125.7	121.8
Oregon	0.0	1.9	0.8	0.0	0.5	0.5	0.3	0.3	0.5	0.4
Pennsylvania	29.0	38.6	32.6	22.0	35.5	29.9	17.8	17.3	18.7	17.3
South Carolina	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
South Dakota	1.9	2.2	1.5	1.0	2.2	1.7	0.6	0.4	2.3	0.8
Tennessee	0.8	0.3	1.6	0.6	0.5	0.0	0.5	0.0	0.9	1.1

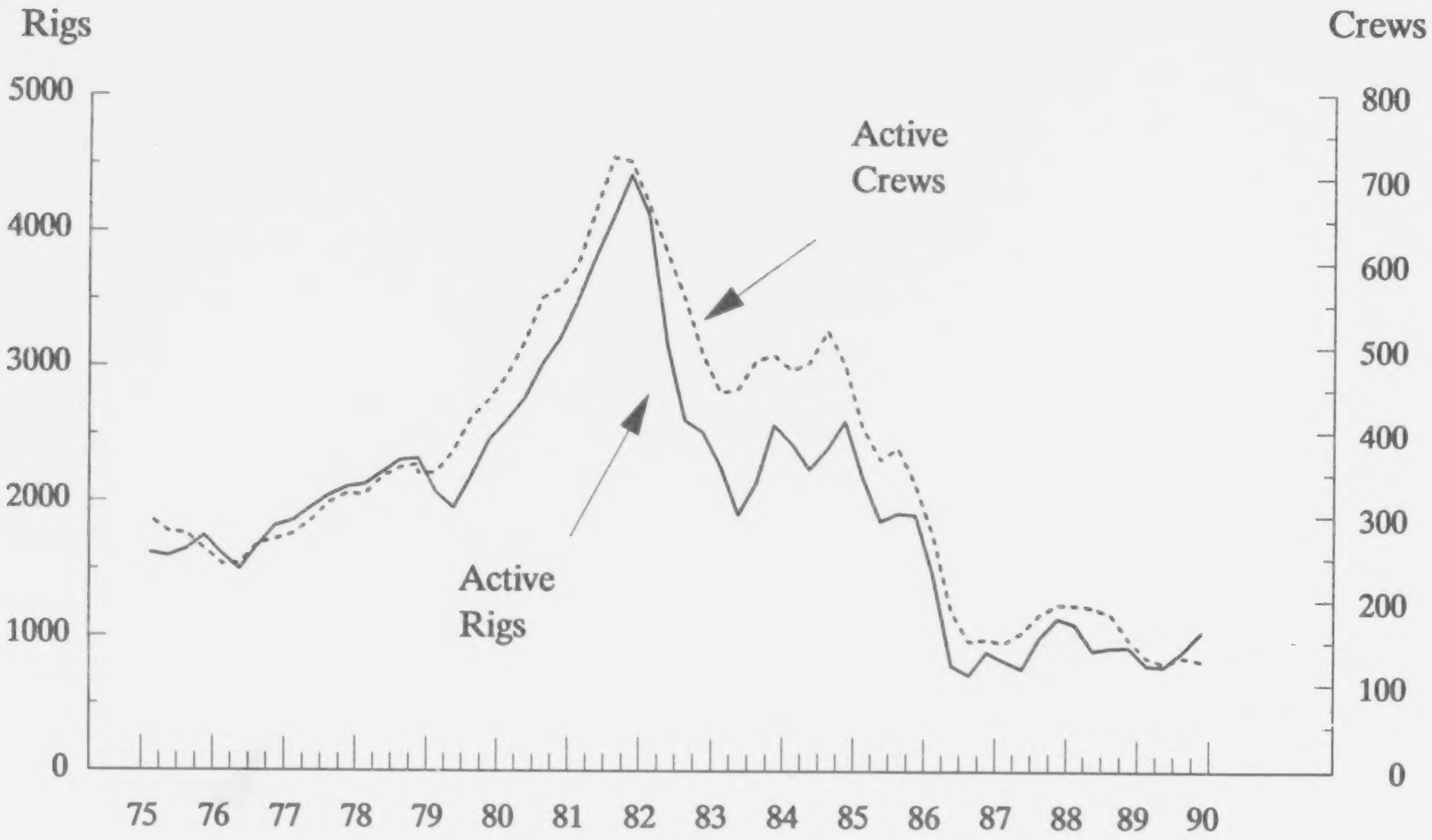
Active Drilling Rigs
By State
Average

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Texas	987.7	1,315.8	993.7	796.2	850.1	679.8	312.9	293.3	280.3	264.4
Dist. 1	35.1	67.5	39.4	20.8	17.5	14.9	5.1	4.4	4.6	7.1
Dist. 2	48.8	68.3	47.6	34.0	36.0	27.8	12.8	13.1	11.6	11.3
Dist. 3	161.7	236.7	122.2	99.9	102.1	74.4	32.3	29.8	25.3	27.2
Dist. 4	105.3	124.0	100.6	81.9	82.1	67.7	37.0	40.8	39.6	36.3
Dist. 5	39.0	44.0	26.7	23.6	31.0	27.3	18.3	12.5	10.4	8.4
Dist. 6	80.8	119.7	90.3	78.6	71.1	50.6	27.4	24.0	27.6	42.5
Dist. 7B	77.3	82.4	56.8	54.6	50.7	41.8	17.8	14.3	13.0	10.7
Dist. 7C	69.7	89.3	71.1	55.4	59.2	51.7	21.4	17.1	16.9	16.0
Dist. 8	112.2	166.3	130.5	110.4	149.1	124.5	55.0	54.8	46.8	36.3
Dist. 8A	65.3	88.7	72.2	62.5	68.6	65.6	29.8	37.8	29.6	22.3
Dist. 9	69.9	88.2	82.0	70.4	73.9	45.3	19.3	9.8	15.6	13.4
Dist. 10	50.8	66.5	66.3	48.3	49.9	37.3	16.1	16.7	15.0	11.3
Inland Waters	NA	NA	NA	7.9	4.7	3.7	2.4	1.2	3.4	1.4
Offshore	72.1	74.4	77.9	48.3	55.4	48.3	19.4	18.8	22.1	21.5
Utah	42.4	69.2	40.1	36.8	45.3	28.8	11.4	7.6	6.3	5.3
Vermont	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Virginia	0.8	3.5	2.6	1.7	2.6	3.8	5.6	2.3	1.9	1.8
Washington	0.5	1.6	1.0	1.1	0.6	0.1	0.0	0.3	1.0	0.5
West Virginia	37.8	44.8	49.5	33.9	37.7	26.0	14.9	12.7	12.6	16.0
Wyoming	155.5	191.3	143.3	95.6	114.6	92.7	35.8	39.5	36.8	33.8
Total U.S.	**2,910.3**	**3,969.5**	**3,116.9**	**2,229.1**	**2,429.2**	**1,975.5**	**969.8**	**936.5**	**936.8**	**869.9**
Inland Waters	76.6	83.2	72.3	57.9	57.8	47.7	22.8	24.3	28.7	18.8
Offshore	230.9	257.6	243.7	199.1	213.0	205.7	100.0	96.1	123.6	104.5
Land	2,602.8	3,628.7	2,800.9	1,972.1	2,158.4	1,722.2	847.3	816.2	784.8	747.1

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

U.S. Rig Count and Seismic Crew Count



Source: Baker-Hughes & SEG

Active Drilling Rigs
Monthly Average
Selected States

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
California													
1981	138.8	140.3	141.0	148.8	150.0	152.4	154.5	161.8	161.0	162.8	171.8	175.0	**154.9**
1982	170.3	168.0	153.2	135.8	121.8	110.0	115.5	111.2	116.3	109.0	118.4	120.8	**129.2**
1983	112.8	94.3	89.8	87.5	95.4	100.8	113.8	113.2	115.5	113.6	113.8	118.3	**105.7**
1984	104.4	95.8	96.5	93.6	105.0	99.0	109.0	105.0	108.0	111.0	128.0	131.0	**107.2**
1985	112.0	91.0	74.0	70.0	68.0	68.0	71.0	90.0	82.0	75.0	82.0	85.0	**80.7**
1986	72.0	60.0	62.0	51.0	43.0	39.0	37.0	38.0	40.0	49.0	48.0	51.0	**49.2**
1987	49.0	44.0	48.0	52.0	63.0	61.0	55.0	70.0	78.0	76.0	71.0	62.0	**60.8**
1988	60.0	55.0	55.0	61.0	63.0	67.0	70.0	66.0	63.0	58.0	50.0	51.0	**59.9**
1989	48.0	43.0	51.0	47.0	49.0	47.0	52.0	51.0	52.0	48.0	51.0	43.0	**48.5**
Kansas													
1981	166.5	176.3	182.8	191.5	195.8	195.4	187.5	198.0	208.3	215.5	222.0	215.3	**196.2**
1982	218.5	209.5	189.0	176.0	166.5	140.8	130.5	133.4	123.3	122.5	137.0	149.0	**158.0**
1983	143.8	121.3	112.8	76.8	114.2	114.8	119.8	125.4	127.0	136.2	149.0	148.3	**124.1**
1984	135.4	124.5	124.0	96.2	118.0	132.0	128.0	132.0	144.0	125.0	136.0	136.0	**127.6**
1985	110.0	98.0	91.0	86.0	78.0	85.0	99.0	92.0	101.0	89.0	90.0	81.0	**91.7**
1986	77.0	65.0	50.0	46.0	36.0	38.0	36.0	32.0	40.0	44.0	53.0	49.0	**47.2**
1987	44.0	40.0	42.0	36.0	45.0	43.0	50.0	58.0	60.0	53.0	58.0	52.0	**48.4**
1988	41.0	38.0	42.0	43.0	38.0	41.0	40.0	36.0	35.0	42.0	43.0	43.0	**40.2**
1989	37.0	38.0	36.0	43.0	39.0	43.0	41.0	43.0	40.0	47.0	52.0	54.0	**42.8**
Louisiana													
1981	428.0	440.5	439.8	450.5	436.3	442.4	463.8	462.2	460.3	471.0	485.2	487.3	**455.6**
1982	486.5	456.0	416.2	377.8	340.0	315.0	300.0	289.2	278.8	285.0	281.6	305.3	**344.3**
1983	331.2	310.5	301.5	278.8	254.2	245.5	243.0	262.0	255.0	271.2	309.0	328.0	**282.5**
1984	350.6	319.8	303.0	289.6	284.0	281.0	287.0	296.0	299.0	312.0	338.0	359.0	**309.9**
1985	349.0	320.0	292.0	284.0	281.0	277.0	265.0	279.0	262.0	249.0	257.0	282.0	**283.1**
1986	252.0	228.0	177.0	143.0	118.0	105.0	105.0	106.0	118.0	127.0	115.0	125.0	**143.3**
1987	129.0	112.0	105.0	102.0	104.0	108.0	144.0	148.0	160.0	158.0	166.0	184.0	**135.0**
1988	182.0	176.0	169.0	171.0	166.0	165.0	164.0	155.0	147.0	148.0	157.0	161.0	**163.4**
1989	142.0	128.0	127.0	132.0	130.0	137.0	137.0	144.0	134.0	144.0	155.0	167.0	**139.8**
Oklahoma													
1981	524.0	566.3	604.4	641.5	652.3	667.0	698.0	724.0	772.8	816.3	841.8	871.8	**698.4**
1982	872.8	850.0	854.6	827.8	753.0	675.4	614.8	531.4	441.0	363.0	346.0	348.3	**623.2**
1983	361.6	291.8	289.0	247.0	265.6	251.8	268.3	269.6	253.8	255.4	295.3	372.8	**285.2**
1984	386.0	365.8	332.5	284.2	318.0	313.0	310.0	289.0	285.0	297.0	321.0	329.0	**319.2**
1985	298.0	270.0	245.0	269.0	253.0	242.0	240.0	237.0	243.0	219.0	252.0	250.0	**251.5**
1986	255.0	203.0	168.0	147.0	122.0	103.0	106.0	114.0	110.0	105.0	130.0	143.0	**142.2**
1987	137.0	121.0	123.0	142.0	126.0	110.0	130.0	148.0	158.0	145.0	149.0	152.0	**136.8**
1988	126.0	132.0	142.0	137.0	124.0	116.0	122.0	122.0	124.0	109.0	122.0	132.0	**125.7**
1989	132.0	117.0	111.0	124.0	117.0	91.0	106.0	114.0	136.0	136.0	131.0	147.0	**121.8**
Texas													
1981	1,109.3	1,156.3	1,214.2	1,233.8	1,294.8	1,331.8	1,349.3	1,399.0	1,417.8	1,417.0	1,418.0	1,448.5	**1,315.8**
1982	1,423.8	1,305.3	1,207.4	1,102.5	980.8	873.6	830.8	816.0	783.5	790.5	860.4	950.0	**993.7**
1983	916.2	801.3	725.3	708.3	697.2	691.3	686.6	736.6	834.5	873.8	915.3	968.3	**796.2**
1984	894.6	846.5	818.5	810.8	824.0	857.0	833.0	818.0	819.0	856.0	892.0	932.0	**850.1**
1985	849.0	775.0	737.0	685.0	664.0	647.0	661.0	650.0	630.0	613.0	613.0	633.0	**679.8**
1986	580.0	470.0	384.0	307.0	258.0	216.0	222.0	231.0	225.0	253.0	290.0	319.0	**312.9**
1987	291.0	266.0	251.0	260.0	255.0	257.0	282.0	304.0	325.0	340.0	348.0	341.0	**293.3**
1988	313.0	287.0	301.0	285.0	283.0	264.0	248.0	261.0	288.0	287.0	280.0	267.0	**280.3**
1989	246.0	226.0	235.0	239.0	234.0	241.0	234.0	263.0	296.0	296.0	321.0	342.0	**264.4**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Active Drilling Rigs
By Depth Classification
Monthly Average
Total U.S.

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1983													
0-2,500 ft.	59.2	59.7	49.8	71.5	67.5	56.0	103.0	86.2	87.2	86.5	88.2	82.6	**74.8**
2,501-5,000 ft.	476.2	357.2	283.4	436.7	395.2	354.6	592.7	515.0	605.4	640.0	643.0	637.4	**494.7**
5,001-7,500 ft.	433.7	322.5	246.2	387.5	339.0	290.8	484.7	397.0	438.8	474.0	543.2	564.0	**410.1**
7,501-10,000 ft.	520.5	455.2	358.0	537.5	406.2	343.6	578.5	497.2	518.4	524.7	612.2	653.2	**500.4**
10,001-12,500 ft.	498.0	410.5	286.4	387.2	329.5	259.8	384.5	330.2	368.4	401.2	445.7	489.2	**382.6**
12,501-15,000 ft.	245.2	237.5	178.4	247.2	196.0	159.4	251.5	219.0	246.2	270.0	294.2	322.0	**238.9**
15,001-17,500 ft.	116.0	116.2	96.4	139.2	105.7	79.8	116.5	101.0	100.8	106.0	111.5	125.4	**109.5**
17,501-20,000 ft.	65.5	62.5	46.4	65.5	51.2	40.8	63.7	48.2	49.6	56.7	58.7	70.2	**56.6**
20,001-22,500 ft.	25.0	21.0	17.0	27.7	19.7	14.4	20.5	20.5	20.6	18.7	18.0	19.4	**20.2**
22,501-25,000 ft.	10.2	10.0	6.8	11.5	10.5	8.0	9.7	8.0	9.2	10.2	7.7	6.8	**9.1**
25,001 ft. & over	5.7	7.2	4.2	4.7	3.0	2.4	5.0	2.2	3.4	3.7	4.0	4.6	**4.2**
Total	**2,455.5**	**2,059.7**	**1,573.0**	**2,316.5**	**1,923.7**	**1,609.6**	**2,610.5**	**2,224.7**	**2,448.0**	**2,592.0**	**2,826.7**	**2,974.8**	**2,301.2**
1984													
0-2,500 ft.	62.0	65.0	62.6	77.2	77.2	76.4	75.0	76.2	72.5	63.0	71.8	67.2	**70.5**
2,501-5,000 ft.	588.2	508.5	442.0	421.0	507.5	558.8	555.0	560.6	543.0	532.2	570.0	530.2	**526.4**
5,001-7,500 ft.	553.2	488.7	412.2	433.5	493.0	487.2	507.2	499.6	523.7	498.5	527.0	520.0	**495.3**
7,501-10,000 ft.	609.7	533.5	508.0	495.7	520.5	521.4	539.7	553.6	533.0	558.5	590.4	605.0	**547.4**
10,001-12,500 ft.	524.7	491.5	441.2	421.0	398.0	417.4	450.5	450.0	441.7	458.0	470.6	501.0	**455.5**
12,501-15,000 ft.	320.2	305.5	289.0	263.2	280.5	292.8	313.0	308.2	282.2	308.5	311.4	299.5	**297.8**
15,001-17,500 ft.	125.5	136.0	137.4	134.0	138.7	130.0	128.2	125.0	126.7	138.0	168.0	172.5	**138.3**
17,501-20,000 ft.	74.5	77.0	75.0	74.5	66.7	64.2	65.2	74.6	78.2	73.2	73.6	68.7	**72.1**
20,001-22,500 ft.	19.5	17.2	17.6	17.0	17.0	17.0	15.0	14.4	15.2	13.2	15.8	17.7	**16.4**
22,501-25,000 ft.	7.0	6.5	7.2	7.0	5.7	4.0	3.5	4.6	4.5	4.0	3.6	4.0	**5.1**
25,001 ft. & over	3.0	2.7	2.0	1.0	1.5	2.0	2.2	4.2	4.2	5.0	4.8	3.5	**3.0**
Total	**2,887.7**	**2,632.2**	**2,394.2**	**2,345.2**	**2,506.5**	**2,571.2**	**2,654.7**	**2,671.0**	**2,625.2**	**2,652.2**	**2,807.0**	**2,789.5**	**2,628.1**
1985													
0-2,500 ft.	39.5	43.7	49.0	50.0	56.0	67.0	68.0	68.0	73.0	75.0	79.0	69.4	**61.5**
2,501-5,000 ft.	474.5	421.7	384.0	390.0	384.0	403.0	393.0	394.0	409.0	397.0	407.4	415.0	**406.1**
5,001-7,500 ft.	446.7	413.0	388.0	365.0	369.0	397.0	418.0	388.0	382.0	371.0	403.8	422.2	**397.0**
7,501-10,000 ft.	531.0	491.7	427.0	428.0	422.0	427.0	429.0	455.0	459.0	450.0	477.0	484.4	**456.8**
10,001-12,500 ft.	468.7	426.7	396.0	383.0	369.0	366.0	340.0	355.0	380.0	382.0	354.4	365.2	**382.2**
12,501-15,000 ft.	286.0	264.0	250.0	237.0	229.0	226.0	230.0	227.0	220.0	208.0	219.6	241.8	**236.5**
15,001-17,500 ft.	170.7	161.2	148.0	144.0	143.0	143.0	138.0	123.0	120.0	113.0	114.8	108.2	**135.6**
17,501-20,000 ft.	70.7	72.0	76.0	70.0	75.0	70.0	72.0	69.0	66.0	62.0	67.8	61.2	**69.3**
20,001-22,500 ft.	18.2	19.7	20.0	22.0	21.0	16.0	15.0	15.0	14.0	11.0	12.0	10.0	**16.2**
22,501-25,000 ft.	4.0	5.5	9.0	8.0	9.0	9.0	11.0	13.0	11.0	11.0	8.2	6.8	**8.8**
25,001 ft. & over	4.0	4.0	4.0	5.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.6	**2.6**
Total	**2,514.3**	**2,323.6**	**2,151.2**	**2,102.3**	**2,080.8**	**2,127.4**	**2,116.3**	**2,107.8**	**2,135.0**	**2,080.5**	**2,145.0**	**2,185.8**	**2,172.5**
1986													
0-2,500 ft.	52.3	49.3	39.0	30.3	40.0	30.0	23.8	22.3	22.4	34.5	31.0	32.8	**34.0**
2,501-5,000 ft.	334.0	235.8	190.0	154.0	153.3	134.6	154.3	151.8	168.6	195.3	210.3	204.6	**190.6**
5,001-7,500 ft.	368.5	281.8	218.6	156.3	149.5	133.2	160.5	152.8	162.2	172.5	219.5	228.2	**200.3**
7,501-10,000 ft.	409.5	328.5	255.6	200.8	177.8	146.8	151.8	169.8	166.2	186.8	214.8	229.8	**219.9**
10,001-12,500 ft.	339.5	287.5	236.0	185.0	132.3	121.4	144.3	149.8	155.2	170.8	196.0	193.4	**192.6**
12,501-15,000 ft.	227.5	192.8	147.0	115.5	104.0	99.4	94.3	95.3	86.4	85.5	94.8	96.8	**119.9**
15,001-17,500 ft.	89.3	74.0	56.8	46.8	38.3	34.6	34.5	36.3	38.6	39.5	48.8	58.2	**49.6**
17,501-20,000 ft.	57.0	46.5	36.6	31.5	28.3	25.0	23.8	18.8	18.8	14.8	15.0	18.8	**27.9**
20,001-22,500 ft.	10.0	9.0	10.8	13.0	12.8	10.6	9.3	6.3	4.6	3.0	6.0	6.0	**8.5**
22,501-25,000 ft.	8.5	8.3	6.6	6.0	6.0	4.4	3.8	3.5	2.8	2.0	2.3	2.0	**4.7**
25,001 ft. & over	1.8	1.5	1.0	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	**0.5**
Total	**1,897.8**	**1,514.8**	**1,198.2**	**939.5**	**842.3**	**740.0**	**800.0**	**808.3**	**825.8**	**904.8**	**1,038.3**	**1,070.6**	**1,048.4**

Active Drilling Rigs
By Depth Classification
Monthly Average
Total U.S.

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1987													
0-2,500 ft.	26.0	16.3	17.8	28.5	28.8	31.4	32.8	38.3	37.8	37.5	31.3	33.4	**30.0**
2,501-5,000 ft.	175.5	173.5	140.0	147.3	155.0	166.8	189.3	208.5	233.2	236.5	232.0	228.2	**190.5**
5,001-7,500 ft.	182.5	145.8	183.4	175.0	171.8	183.0	197.8	216.8	253.0	269.3	267.5	248.8	**207.9**
7,501-10,000 ft.	207.3	192.5	193.0	194.5	197.0	218.0	249.0	272.3	281.0	276.5	287.8	287.6	**238.0**
10,001-12,500 ft.	191.8	162.8	152.0	146.0	151.3	142.1	162.3	174.5	205.8	219.8	239.0	227.0	**181.2**
12,501-15,000 ft.	97.5	89.5	87.2	88.3	95.0	104.4	120.0	127.0	132.6	151.5	155.5	167.0	**118.0**
15,001-17,500 ft.	60.3	58.0	50.8	44.5	46.0	49.0	59.5	63.5	82.8	87.3	82.8	78.8	**63.6**
17,501-20,000 ft.	23.8	25.8	22.2	23.8	26.0	26.8	31.8	38.3	35.8	34.3	36.0	39.0	**30.3**
20,001-22,500 ft.	6.0	5.3	6.4	7.0	3.3	1.8	1.0	1.0	3.2	2.5	2.3	2.4	**3.5**
22,501-25,000 ft.	2.0	2.3	2.0	2.5	3.0	3.0	4.0	4.0	5.2	6.0	6.3	6.4	**3.9**
25,001 ft. & over	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	**0.1**
Total	**972.5**	**871.5**	**854.8**	**857.3**	**877.0**	**927.0**	**1,047.3**	**1,144.0**	**1,270.6**	**1,321.0**	**1,340.5**	**1,319.0**	**1,066.9**
1988													
0-2,500 ft.	26.3	30.3	35.8	32.0	35.5	33.0	33.5	32.5	28.6	30.3	26.3	20.0	**30.3**
2,501-5,000 ft.	182.5	173.8	164.0	155.8	160.5	168.8	156.5	169.8	169.6	161.5	149.5	160.4	**164.4**
5,001-7,500 ft.	225.8	209.3	189.4	171.8	182.8	193.6	198.5	203.8	187.4	182.3	182.0	188.2	**192.9**
7,501-10,000 ft.	230.3	217.0	241.0	230.0	222.5	230.8	231.5	233.0	234.4	248.5	232.3	225.0	**231.4**
10,001-12,500 ft.	191.8	188.5	181.0	180.5	179.0	181.8	195.0	207.5	188.6	185.5	178.0	184.2	**186.8**
12,501-15,000 ft.	144.8	129.0	126.4	124.0	125.3	125.4	115.5	109.8	110.8	102.8	104.5	103.6	**118.5**
15,001-17,500 ft.	76.3	87.0	91.2	80.8	75.0	69.6	65.8	60.8	66.4	69.3	64.8	60.4	**72.3**
17,501-20,000 ft.	38.5	34.8	33.8	34.8	36.0	32.0	30.3	25.3	27.8	25.0	26.0	27.6	**31.0**
20,001-22,500 ft.	3.0	3.3	4.0	3.0	3.5	4.0	6.3	3.3	2.0	2.0	3.8	4.6	**3.6**
22,501-25,000 ft.	5.8	5.0	4.2	5.0	5.0	3.8	4.3	4.0	4.0	3.5	4.0	3.4	**4.3**
25,001 ft. & over	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	1.3	1.0	1.0	**0.3**
Total	**1,124.8**	**1,077.8**	**1,070.8**	**1,017.5**	**1,025.0**	**1,042.8**	**1,037.3**	**1,049.5**	**1,019.6**	**1,011.8**	**972.0**	**978.4**	**1,035.6**
1989													
0-2,500 ft.	21.3	20.3	23.8	24.8	31.8	30.8	31.0	33.0	40.2	39.3	37.5	30.8	**30.4**
2,501-5,000 ft.	129.3	122.3	121.0	117.0	132.8	140.2	140.8	172.0	166.4	181.5	187.5	176.2	**148.9**
5,001-7,500 ft.	143.5	156.0	151.8	152.0	149.0	160.8	180.5	185.3	201.2	202.5	210.0	212.8	**175.5**
7,501-10,000 ft.	206.8	176.3	188.0	200.0	194.8	215.0	224.8	249.8	259.6	279.3	301.5	316.8	**234.4**
10,001-12,500 ft.	145.3	144.3	144.8	150.5	156.0	141.6	151.3	168.3	171.2	192.5	207.8	205.6	**164.9**
12,501-15,000 ft.	102.8	110.0	121.0	124.5	109.5	110.8	115.8	121.3	135.6	134.5	148.3	153.4	**124.0**
15,001-17,500 ft.	54.5	44.3	47.2	42.5	39.0	42.4	43.3	46.5	50.2	50.8	56.8	61.8	**48.3**
17,501-20,000 ft.	27.0	25.5	25.6	27.5	25.8	22.4	22.0	24.0	27.8	26.0	27.8	24.0	**25.5**
20,001-22,500 ft.	5.0	5.3	5.2	4.0	4.0	5.0	5.3	4.5	3.8	5.8	5.3	4.8	**4.8**
22,501-25,000 ft.	2.8	2.0	1.6	0.5	0.0	0.4	1.0	1.0	1.2	1.0	1.0	1.0	**1.1**
25,001 ft. & over	1.0	1.0	1.4	2.0	2.0	1.6	1.0	1.0	1.2	0.5	0.0	1.0	**1.1**
Total	**839.0**	**808.0**	**831.4**	**845.3**	**844.5**	**871.0**	**916.5**	**1,006.5**	**1,058.4**	**1,113.5**	**1,183.3**	**1,188.2**	**958.8**

Data from Oil & Gas Journal Energy Database.
Source: Smith International Inc.

Reed Rig Census

	Total Rigs Available	Oil Company Owned	Contractor Owned	Active Rigs	Percent Active	Number Stacked	Rigs by Depth Capability					Drilling Barges	Land Rigs	Offshore Rigs
							0 - 5000 ft.	6000 - 9000 ft.	10000 - 12000 ft.	13000 - 15000 ft.	16000 ft. & Over			
1967	2,408	49	2,359	1,573	65.3	835	623	776	435	199	375	121	2,114	173
1968	2,111	44	2,067	1,508	71.4	603	493	680	381	185	372	114	1,825	172
1969	2,060	27	2,033	1,649	80.0	411	528	626	352	188	366	98	1,827	135
1970	1,898	29	1,869	1,331	70.1	567	434	580	322	219	343	106	1,662	130
1971	1,859	27	1,832	1,308	70.4	551	436	535	329	198	361	124	1,592	143
1972	1,768	27	1,741	1,381	78.1	387	409	490	301	171	397	77	1,551	140
1973	1,767	28	1,739	1,473	83.4	294	355	517	318	164	413	71	1,570	126
1974	1,894	13	1,881	1,769	93.4	125	387	529	339	214	425	66	1,715	113
1975	2,028	14	2,014	1,877	92.6	151	396	579	380	225	448	74	1,839	115
1976	2,204	24	2,180	1,979	89.8	225	468	633	366	239	498	76	1,964	164
1977	2,482	31	2,451	2,399	96.7	83	542	628	461	274	577	77	2,186	219
1978	2,851	33	2,818	2,785	97.7	66	557	723	565	313	693	91	2,524	236
1979	3,182	38	3,144	2,874	90.3	308	546	783	631	350	872	109	2,802	271
1980	3,672	46	3,626	3,542	96.5	130	605	885	704	419	1,059	115	3,255	302
1981	4,803	41	4,762	4,703	97.9	100	773	1,080	950	595	1,405	161	4,316	326
1982	5,644	38	5,606	3,225	57.1	2,419	821	1,285	1,103	717	1,717	157	5,139	348
1983	5,273	32	5,241	2,539	48.2	2,734	746	1,233	993	662	1,639	128	4,832	313
1984	4,580	27	4,553	3,090	67.5	1,490	571	1,077	933	591	1,408	131	4,102	347
1985	4,409	23	4,386	2,625	59.5	1,784	529	1,084	894	570	1,332	121	3,940	348
1986	3,993	32	3,961	1,052	26.3	2,941	517	971	789	496	1,220	90	3,573	330
1987	3,331	32	3,299	1,388	41.7	1,943	435	841	637	427	991	91	2,956	284
1988	2,752	36	2,716	1,532	55.7	1,220	336	751	529	365	771	63	2,429	260
1989	2,542	34	2,508	1,444	56.8	1,098	294	700	515	329	704	63	2,249	230

Data from Oil & Gas Journal Energy Database.
Source: Reed Tool Co.

Active Seismic Crew Count
Total U.S.

		January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
Total	1977	280	286	282	292	301	305	315	326	320	330	335	329	**308.4**
Land		254	259	260	266	272	274	285	295	291	302	309	303	**280.8**
Marine		26	27	22	26	29	31	30	31	29	28	26	26	**27.6**
Total	1978	328	328	334	342	351	362	367	365	354	371	369	358	**352.4**
Land		302	305	314	321	330	336	341	338	333	342	342	328	**327.7**
Marine		26	23	20	21	21	26	26	27	21	29	27	30	**24.8**
Total	1979	355	350	364	360	383	404	407	424	433	436	439	450	**400.4**
Land		327	321	332	330	355	372	376	393	403	407	408	419	**370.3**
Marine		28	29	32	30	28	32	31	31	30	29	31	31	**30.2**
Total	1980	468	469	477	496	502	535	556	565	567	571	572	580	**529.8**
Land		439	440	448	465	468	496	514	521	523	530	531	540	**492.9**
Marine		29	29	29	31	34	39	42	44	44	41	41	40	**36.9**
Total	1981	591	602	610	645	661	696	711	735	744	741	733	703	**681.0**
Land		553	561	570	605	619	652	668	689	697	689	681	656	**636.7**
Marine		38	41	40	40	42	44	43	46	47	52	52	47	**44.3**
Total	1982	695	678	649	626	612	615	593	562	535	516	502	477	**588.3**
Land		642	625	597	571	551	546	527	500	476	465	452	428	**531.7**
Marine		53	53	52	55	61	69	66	62	59	51	50	49	**56.7**
Total	1983	456	451	447	449	449	471	483	484	501	498	495	496	**473.3**
Land		407	404	402	410	410	428	437	435	444	448	446	445	**426.3**
Marine		49	47	45	39	39	43	46	49	57	50	49	51	**47.0**
Total	1984	477	486	471	473	490	500	529	523	524	497	493	466	**494.1**
Land		427	433	424	423	444	455	482	470	472	449	444	414	**444.8**
Marine		50	53	47	50	46	45	47	53	52	48	49	52	**49.3**
Total	1985	439	406	388	383	364	371	397	390	372	357	346	326	**378.3**
Land		393	360	340	336	323	324	350	341	323	312	305	287	**332.8**
Marine		46	46	48	47	41	47	47	49	49	45	41	39	**45.4**
Total	1986	310	295	240	205	191	180	158	156	155	158	158	157	**196.9**
Land		271	256	212	185	172	162	138	137	131	136	139	139	**173.2**
Marine		39	39	28	20	19	18	20	19	24	22	19	18	**23.8**
Total	1987	160	151	150	164	166	169	183	187	193	195	198	199	**176.3**
Land		142	132	132	145	146	147	159	159	164	163	170	172	**152.6**
Marine		18	19	18	19	20	22	24	28	29	32	28	27	**23.7**
Total	1988	197	198	194	196	194	188	186	188	181	172	155	141	**182.5**
Land		167	168	165	167	164	158	158	156	151	142	127	114	**153.1**
Marine		30	30	29	29	30	30	28	32	30	30	28	27	**29.4**
Total	1989	137	138	129	131	126	124	129	136	138	130	129	132	**131.6**
Land		112	115	108	109	104	102	107	110	114	109	109	112	**109.3**
Marine		25	23	21	22	22	22	22	26	24	21	20	20	**22.3**

Data from Oil & Gas Journal Energy Database.
Source: Society of Exploration Geophysicists

Seismic Crew Months Worked
By State and Total U.S.

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Alabama	26	41	55	35	45	85	14	34	71	123	114	140	136	69	71	89
Alaska	56	83	68	109	113	71	94	65	108	178	113	67	84	41	129	101
Arizona	38	29	15	34	91	20	12	1	4	5	4	18	24	2	0	10
Arkansas	23	60	44	8	36	30	28	19	37	40	17	53	49	46	48	25
California	146	119	94	89	112	118	158	229	251	115	74	67	81	112	178	104
Colorado	159	154	120	60	39	55	39	70	58	88	26	32	72	69	76	37
Florida	11	8	5	7	13	70	79	29	24	84	66	171	148	99	71	45
Illinois	NA	NA	1	1	3	15	15	0	8	3	5	1	62	72	67	23
Indiana	7	0	0	0	5	11	4	5	1	0	0	0	19	18	10	1
Kansas	123	85	28	49	50	48	14	7	5	41	9	2	20	16	34	24
Kentucky	NA	8	4	2	3	16	19	31	26	5	18	22	21	50	65	31
Louisiana	816	785	644	626	746	930	842	595	527	444	322	316	388	216	234	272
Maryland	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
Michigan	101	40	38	29	23	36	18	11	46	92	133	185	175	232	201	267
Mississippi	415	253	204	240	257	210	189	246	241	215	241	256	310	176	76	160
Montana	97	129	119	181	102	161	65	42	128	88	86	67	73	62	155	40
Nebraska	43	76	47	6	1	9	0	4	0	2	1	0	7	7	0	0
Nevada	NA	21	12	0	11	6	2	11	49	10	25	7	16	9	16	16
New Mexico	319	311	299	302	213	136	152	89	109	75	62	86	98	94	133	74
New York	NA	16	20	7	8	11	15	2	3	9	5	13	22	28	8	14
North Dakota	81	44	48	39	36	59	55	58	73	90	59	48	56	41	72	34
Ohio	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oklahoma	253	286	227	252	224	197	214	248	238	229	122	205	220	128	153	151
Oregon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pennsylvania	32	30	23	19	25	16	21	5	12	1	10	46	105	64	44	32
South Dakota	12	4	10	19	8	13	0	1	1	19	6	21	6	8	30	8
Tennessee	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	9
Texas	1,858	1,888	1,664	1,644	1,633	1,635	1,373	1,343	1,110	872	728	663	606	642	886	907
Utah	302	228	146	95	56	63	35	67	95	147	108	71	64	51	80	65
Virginia	NA	6	2	4	27	5	1	0	0	0	1	8	5	1	8	0
West Virginia	21	20	25	23	0	25	20	17	13	0	17	25	52	56	45	31
Wyoming	229	249	222	173	140	242	252	222	112	132	91	126	126	264	363	353
Undesignated Land	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	114
Total U.S.	5,207	5,024	4,231	4,174	4,406	4,471	3,835	3,496	3,390	3,259	2,521	2,755	3,140	2,999	3,663	3,416

Seismic Crew Months Worked
By State and Total U.S.

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Alabama	81	13	32	50	126	156	116	105	157	78	16	18	23
Alaska	54	24	16	30	37	82	129	58	79	48	16	5	22
Arizona	0	1	8	54	35	33	9	4	7	4	5	1	0
Arkansas	32	45	48	35	37	67	117	117	40	57	12	1	7
California	109	65	119	122	157	192	221	186	152	149	125	113	86
Colorado	53	42	61	58	87	56	141	176	208	131	84	109	58
Florida	19	17	18	17	21	42	20	37	10	18	6	8	22
Illinois	5	4	3	10	5	9	16	11	13	11	1	0	2
Indiana	1	0	0	0	6	0	1	3	13	3	0	1	5
Kansas	36	28	64	88	76	65	98	75	114	69	35	19	43
Kentucky	11	7	1	7	23	12	4	24	3	3	1	0	1
Louisiana	340	318	560	665	654	501	563	423	436	280	157	91	79
Maryland	3	1	0	1	4	6	2	2	1	0	1	0	5
Michigan	266	180	244	111	145	239	159	160	144	241	259	296	237
Mississippi	163	199	173	154	168	175	180	124	85	78	38	14	41
Montana	85	57	155	135	202	388	224	156	125	43	47	28	19
Nebraska	3	5	2	24	13	17	20	14	16	8	7	10	5
Nevada	12	38	45	51	47	41	61	39	54	60	16	6	22
New Mexico	79	53	89	85	120	136	156	116	114	63	71	46	68
New York	15	12	2	2	11	7	7	7	12	9	7	0	0
North Dakota	44	96	269	269	242	268	252	114	74	79	42	37	35
Ohio	NA	NA	NA	NA	NA	NA	NA	NA	12	9	2	12	0
Oklahoma	90	103	234	240	169	301	256	316	231	202	130	80	152
Oregon	NA	9	4	0	9	27	27	13	33	19	8	10	8
Pennsylvania	25	21	41	33	39	49	37	27	3	17	13	0	3
South Dakota	0	1	63	3	2	3	9	14	4	0	7	(s)	0
Tennessee	5	8	9	26	30	34	24	17	19	4	0	2	1
Texas	914	722	1,095	1,213	1,438	1,745	1,583	1,353	1,199	932	481	316	388
Utah	65	71	163	106	158	122	127	111	121	29	10	21	12
Virginia	3	0	4	17	24	31	18	9	3	6	7	0	3
West Virginia	13	8	11	15	24	23	9	17	17	4	2	0	2
Wyoming	239	183	211	366	274	317	253	323	306	163	114	64	98
Undesignated Land	56	502	95	91	190	240	194	147	226	14	0	32	11
Total U.S.	**3,140**	**3,063**	**4,148**	**4,400**	**4,962**	**5,877**	**5,676**	**4,943**	**4,679**	**3,494**	**2,024**	**1,561**	**1,692**

(s) indicates average less than 1.

Data from Oil & Gas Journal Energy Database.
Source: Independent Petroleum Association of America

Well Servicing Rigs
Total U.S.

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1975													
Available	2,521	2,529	2,536	2,528	2,527	2,547	2,578	2,581	2,579	2,622	3,009	3,412	**2,664**
Working	2,312	2,282	2,299	2,282	2,126	2,172	2,099	2,121	2,202	2,179	2,505	2,675	**2,271**
1976													
Available	3,476	3,469	3,468	3,466	3,469	3,471	3,471	3,481	3,492	3,485	3,483	3,479	**3,476**
Working	2,612	2,490	2,521	2,597	2,575	2,607	2,606	2,656	2,652	2,639	2,601	2,660	**2,601**
1977													
Available	3,483	3,484	3,487	3,493	3,495	3,556	3,564	3,575	3,619	3,633	3,622	3,661	**3,556**
Working	2,474	2,628	2,695	2,804	2,760	2,895	2,929	2,942	2,964	2,973	2,968	2,898	**2,828**
1978													
Available	3,677	3,740	3,695	3,784	3,841	3,847	3,849	3,876	3,872	3,898	3,909	4,053	**3,837**
Working	2,810	2,906	2,899	2,997	2,996	2,987	3,006	3,089	3,073	3,078	2,958	3,063	**2,989**
1979													
Available	4,095	4,124	4,115	4,857	4,857	4,868	4,868	4,876	4,883	4,876	4,876	4,876	**4,681**
Working	3,094	2,698	2,765	3,034	3,369	3,506	3,572	3,621	3,673	3,954	3,795	3,709	**3,399**
1980													
Available	4,877	4,877	4,929	4,929	4,928	4,939	4,901	4,983	4,983	4,983	4,983	4,983	**4,941**
Working	3,855	3,923	4,010	3,871	4,032	4,112	4,092	4,155	4,277	4,290	4,281	4,172	**4,089**
1981													
Available	4,983	4,983	4,983	5,097	5,407	5,878	5,984	5,972	5,972	6,005	6,005	6,124	**5,616**
Working	4,209	4,359	4,238	4,430	4,749	5,093	5,172	5,196	5,164	5,142	5,165	5,279	**4,850**
1982													
Available	6,367	6,390	6,421	6,421	6,492	6,547	6,558	6,629	6,652	6,659	7,815	7,814	**6,730**
Working	5,368	5,220	4,808	4,334	4,328	4,005	3,846	3,779	3,726	3,762	3,933	3,865	**4,248**
1983													
Available	7,810	7,855	7,843	7,881	7,882	7,890	7,891	7,869	7,859	7,852	7,849	7,849	**7,861**
Working	3,786	3,629	3,537	3,413	3,340	3,313	3,431	3,868	3,927	4,024	4,262	4,255	**3,732**
1984													
Available	7,849	7,855	7,925	7,925	8,054	8,054	8,063	8,056	8,030	8,030	8,009	8,009	**7,988**
Working	4,240	4,337	3,989	3,859	4,224	4,864	5,100	5,061	5,157	5,052	5,075	4,998	**4,663**
1985													
Available	8,007	8,007	7,975	7,975	7,975	7,975	7,975	8,048	8,048	8,054	8,016	8,025	**8,007**
Working	4,912	4,856	4,626	4,538	4,655	4,673	4,616	4,845	4,807	4,729	4,745	4,582	**4,715**
1986													
Available	8,025	8,015	8,015	7,989	7,949	7,949	7,949	7,949	7,939	7,909	7,909	7,909	**7,959**
Working	4,582	4,498	3,450	2,942	2,733	2,644	2,656	2,598	2,477	2,468	2,582	2,744	**3,031**
1987													
Available	7,909	7,909	7,909	6,227	6,227	6,204	6,227	6,227	6,227	6,227	6,227	6,227	**6,646**
Working	2,759	2,669	2,558	2,762	2,597	2,745	2,833	3,416	3,412	3,610	3,687	3,667	**3,060**
1988													
Available	6,227	6,247	6,247	6,247	6,247	6,247	6,247	6,247	6,247	6,247	6,247	6,247	**6,245**
Working	3,375	3,485	3,416	3,230	3,450	3,541	3,425	3,559	3,344	3,137	3,090	3,036	**3,341**
1989													
Available	6,247	6,247	6,247	6,247	6,247	6,247	6,247	6,247	6,247	6,247	6,247	6,247	**6,247**
Working	3,081	2,997	3,277	3,417	3,458	3,319	3,367	3,379	3,495	3,645	3,690	3,565	**3,391**

Data from Oil & Gas Journal Energy Database.
Source: Association of Oilwell Servicing Contractors

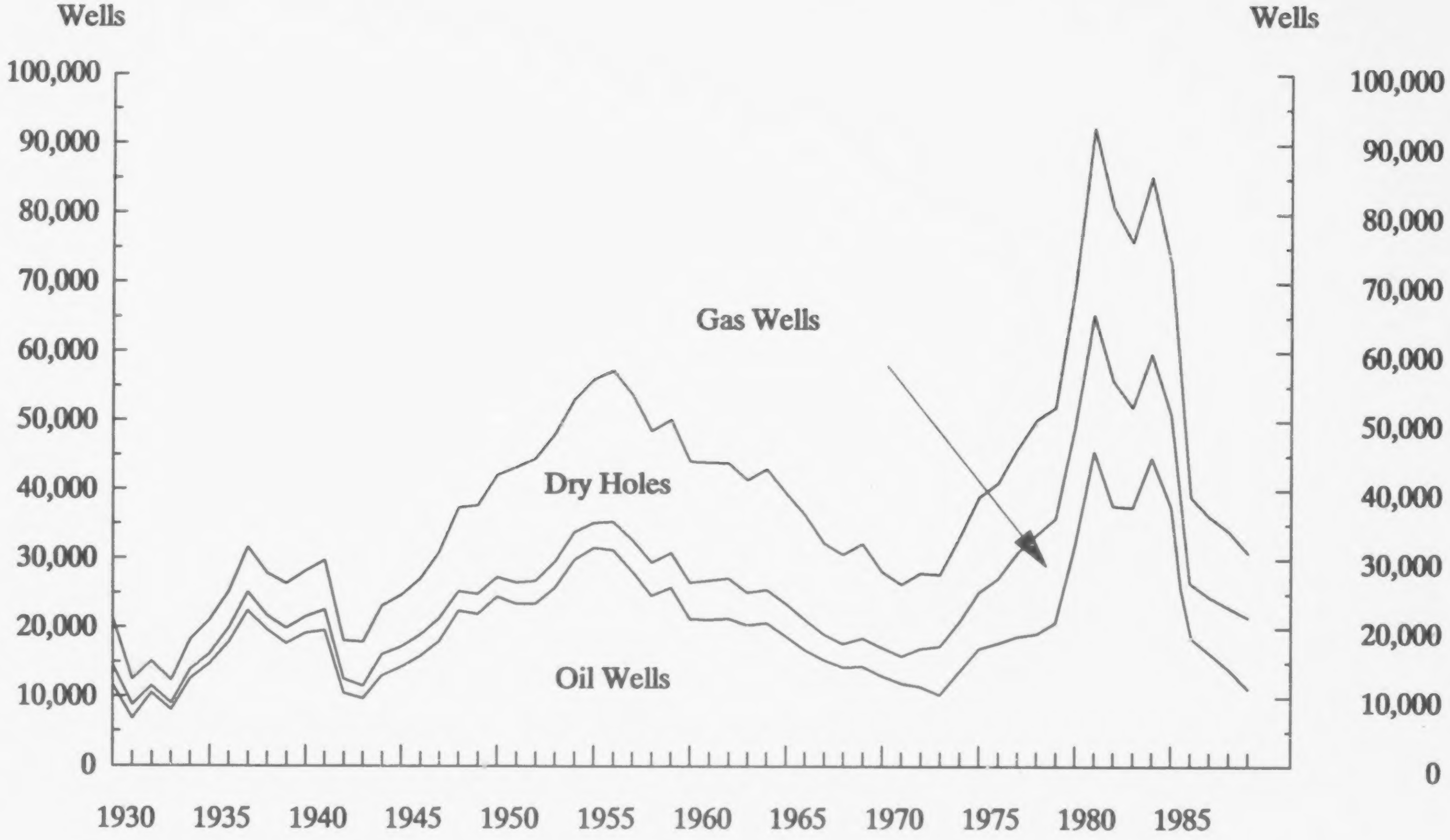
Well Permit Applications
Selected States

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1983													
California	175	225	161	203	216	273	262	227	289	357	252	454	**3,094**
Kansas	852	702	977	802	1,102	1,097	1,271	1,241	1,166	1,292	1,098	999	**12,599**
Louisiana	336	289	318	332	382	405	509	536	536	604	678	575	**5,500**
Oklahoma	1,318	838	1,264	922	1,083	1,195	1,087	1,556	1,276	1,397	1,434	1,549	**14,919**
Texas	2,137	1,922	2,330	2,061	2,279	2,479	2,574	*10,021	1,488	1,970	2,275	2,263	**33,799**
Wyoming	89	87	93	133	35	253	156	200	117	223	186	151	**1,723**
1984													
California	232	527	535	286	264	470	302	419	402	523	253	279	**4,492**
Kansas	831	946	868	980	1,319	1,164	1,178	1,348	1,135	1,345	1,194	955	**13,263**
Louisiana	497	401	458	445	536	598	768	916	692	817	905	603	**7,636**
Oklahoma	1,049	1,178	1,282	1,132	1,211	1,197	1,361	1,375	1,225	1,461	1,344	1,380	**15,195**
Texas	2,059	2,255	2,538	2,884	3,355	2,842	2,937	3,113	2,732	3,149	3,166	3,118	**34,148**
Wyoming	158	154	126	110	170	185	178	192	178	240	167	156	**2,014**
1985													
California	276	412	324	313	387	305	556	440	247	360	393	269	**4,282**
Kansas	795	584	819	817	855	840	993	978	905	781	662	656	**9,685**
Louisiana	482	303	488	397	354	507	619	540	490	498	298	434	**5,410**
Oklahoma	1,015	824	934	1,046	1,000	1,149	1,149	1,206	953	1,123	1,010	1,152	**12,561**
Texas	2,027	2,016	2,301	2,310	2,125	1,939	2,101	2,162	2,057	2,291	2,210	2,262	**25,801**
Wyoming	121	110	149	139	181	125	185	166	207	130	128	99	**1,740**
1986													
California	343	303	535	77	212	90	98	151	273	250	346	97	**2,775**
Kansas	609	393	336	239	268	244	254	234	350	306	302	421	**3,956**
Louisiana	313	284	242	168	129	112	149	180	145	199	145	212	**2,278**
Oklahoma	804	716	619	489	391	376	464	513	535	512	506	660	**6,585**
Texas	1,864	1,417	1,181	864	777	687	1,151	763	896	1,022	887	1,120	**12,629**
Wyoming	111	66	48	61	42	41	76	75	72	60	69	57	**778**
1987													
California	189	145	244	173	395	264	378	344	138	335	316	260	**3,181**
Kansas	244	292	311	334	375	418	418	569	716	613	414	490	**5,194**
Louisiana	123	113	182	176	184	258	240	258	221	223	205	249	**2,432**
Oklahoma	456	415	507	496	519	531	566	688	586	592	511	625	**6,492**
Texas	1,109	850	968	927	867	1,022	1,127	1,120	1,110	1,199	1,056	1,120	**12,475**
Wyoming	38	39	64	60	81	114	120	117	95	134	86	75	**1,023**
1988													
California	185	208	305	376	307	308	169	148	176	167	85	82	**2,516**
Kansas	246	281	343	284	364	367	291	356	270	282	203	286	**3,573**
Louisiana	143	143	158	161	182	233	152	154	149	145	115	115	**1,850**
Oklahoma	408	426	615	678	710	486	330	472	425	374	312	486	**5,722**
Texas	848	887	907	889	856	926	789	865	746	772	648	698	**9,831**
Wyoming	48	66	48	65	86	82	75	82	72	61	43	36	**764**
1989													
California	300	113	133	264	177	136	227	197	239	145	133	170	**2,234**
Kansas	264	197	323	278	348	291	289	308	266	371	352	305	**3,592**
Louisiana	86	88	123	131	151	155	122	199	150	206	157	122	**1,690**
Oklahoma	305	242	366	340	345	323	511	362	540	732	327	393	**4,786**
Texas	599	558	750	710	815	797	779	887	807	839	880	672	**9,093**
Wyoming	41	41	58	75	67	66	162	68	72	95	77	68	**890**

* Rise in number of permits is due to fee increase to be effective Sept. 1, 1983.

Data from Oil & Gas Journal Energy Database.
Source: State agencies

U.S. Well Completions By Type



Source: AAPG, OGJ, API

Well Completions* by Type
Total U.S.

	Oil Wells	Gas Wells	Dry Holes	Total Wells+	Footage Drilled@	Success Ratio
1900	13,671	17	3,389	17,077	NA	80.2%
1901	11,811	10	3,276	15,097	NA	78.3%
1902	13,019	15	3,440	16,474	NA	79.1%
1903	15,177	322	3,670	19,169	NA	80.9%
1904	16,008	449	4,088	20,545	NA	80.1%
1905	12,601	382	3,583	16,566	NA	78.4%
1906	14,550	493	3,787	18,830	NA	79.9%
1907	15,534	555	3,579	19,668	NA	81.8%
1908	13,210	485	3,214	16,909	NA	81.0%
1909	13,875	1,048	3,404	18,327	NA	81.4%
1910	11,018	1,500	2,422	14,940	NA	83.8%
1911	9,825	1,580	2,363	13,768	NA	82.8%
1912	12,514	1,811	2,855	17,180	NA	83.4%
1913	19,101	2,207	4,282	25,590	NA	83.3%
1914	16,668	2,327	4,142	23,137	NA	82.1%
1915	9,154	2,022	2,981	14,157	NA	78.9%
1916	18,777	1,803	4,039	24,619	NA	83.6%
1917	16,590	1,966	4,851	23,407	NA	79.3%
1918	17,845	2,229	5,613	25,687	NA	78.1%
1919	21,052	2,135	5,986	29,173	NA	79.5%
1920	24,273	2,274	7,364	33,911	NA	78.3%
1921	14,666	2,111	5,160	21,937	NA	76.5%
1922	17,333	2,024	5,332	24,689	NA	78.4%
1923	16,206	2,367	5,865	24,438	NA	76.0%
1924	14,587	2,257	5,044	21,888	NA	77.0%
1925	16,559	2,330	6,734	25,623	NA	73.7%
1926	19,013	2,341	7,965	29,319	NA	72.8%
1927	14,442	2,491	7,210	24,143	NA	70.1%
1928	12,526	2,727	7,078	22,331	NA	68.3%
1929	15,572	2,870	7,914	26,356	NA	70.0%
1930	11,640	2,866	6,734	21,240	NA	68.3%
1931	6,788	1,985	3,659	12,432	NA	70.6%
1932	10,444	1,027	3,569	15,040	NA	76.3%
1933	8,068	932	3,312	12,312	NA	73.1%
1934	12,520	1,368	4,309	18,197	NA	76.3%
1935	14,663	1,401	4,911	20,975	NA	76.6%
1936	17,800	2,070	5,297	25,167	NA	79.0%
1937	22,386	2,676	6,560	31,622	NA	79.3%
1938	18,598	2,066	6,141	26,805	NA	77.1%
1939	17,625	2,198	6,474	26,297	NA	75.4%
1940	19,125	2,352	6,617	28,094	NA	76.4%
1941	19,552	3,007	7,128	29,687	NA	76.0%
1942	10,492	2,068	5,504	18,064	NA	69.5%
1943	9,717	1,782	6,385	17,884	NA	64.3%
1944	13,028	3,067	7,009	23,104	NA	69.7%
1945	14,297	2,898	7,471	24,666	NA	69.7%
1946	15,851	3,090	8,047	26,988	NA	70.2%
1947	17,961	3,307	9,625	30,893	114,059	68.8%
1948	22,340	2,906	12,112	37,358	137,392	67.6%
1949	21,905	2,886	12,842	37,633	138,003	65.9%
1950	24,416	2,837	14,786	42,039	173,842	64.8%
1951	23,437	3,027	16,704	43,168	172,331	61.3%
1952	23,448	3,246	17,714	44,408	187,190	60.1%
1953	25,748	3,801	18,509	48,058	198,839	61.5%
1954	29,776	3,974	19,285	53,035	218,986	63.6%
1955	31,540	3,614	20,742	55,896	226,270	62.9%
1956	31,196	4,115	21,871	57,182	233,902	61.8%
1957	28,012	4,620	20,983	53,615	223,087	60.9%
1958	24,578	4,803	19,043	48,424	198,224	60.7%
1959	25,800	5,029	19,265	50,094	209,231	61.5%
1960	21,186	5,258	17,574	44,018	190,703	60.1%
1961	21,101	5,664	17,106	43,871	192,116	61.0%
1962	21,249	5,848	16,682	43,779	198,559	61.9%
1963	20,288	4,751	16,347	41,386	184,357	60.5%
1964	20,620	4,855	17,488	42,963	189,922	59.3%
1965	18,761	4,724	16,024	39,509	181,484	59.4%
1966	16,780	4,377	15,227	36,384	165,544	58.1%
1967	15,329	3,659	13,246	32,234	142,959	58.9%
1968	14,227	3,385	12,987	30,599	148,252	57.6%
1969	14,368	4,083	13,736	32,187	160,949	57.3%
1970	13,043	4,031	11,099	28,173	141,966	60.6%
1971	11,903	3,983	10,382	26,268	130,667	60.5%
1972	11,437	5,484	11,013	27,934	142,509	60.6%
1973	10,251	6,975	10,466	27,692	141,874	62.2%
1974	13,664	7,168	12,205	33,037	156,649	63.1%
1975	16,979	8,169	13,736	38,884	184,886	64.7%
1976	17,697	9,438	13,805	40,940	190,864	66.3%
1977	18,700	12,119	15,036	45,855	219,574	67.2%
1978	19,065	14,405	16,591	50,061	242,514	66.9%
1979	20,689	15,166	16,035	51,890	247,351	69.1%
1980	32,120	17,132	20,234	69,486	316,370	70.9%
1981	42,520	19,742	26,972	89,234	412,310	69.8%
1982	37,680	18,151	25,083	80,914	373,164	69.0%
1983	35,991	14,014	23,044	73,049	314,963	68.5%
1984	43,515	14,627	24,864	83,006	369,582	70.0%
1985	36,458	12,917	21,431	70,806	316,778	69.7%
1986	18,598	8,055	12,362	39,015	177,641	68.3%
1987	16,441	8,114	11,698	36,253	163,848	67.7%
1988	14,142	8,938	11,056	34,136	161,106	67.6%
1989	11,215	10,342	9,424	30,981	141,019	69.6%

* Wells are as reported for 1900-1969. Wells are on an as completed basis for 1970-1984. Wells for 1985-1989 are API estimates of actual wells as completed.
+ Excluding service wells and stratigraphic and core tests.
@ Thousands of feet.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, American Association of Petroleum Geologists, Oil & Gas Journal, American Petroleum Institute

Well Completions by State
As Completed*

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Alabama	79	119	111	86	130	116	136	161	219	196
Alaska	33	30	33	39	69	77	73	76	96	125
Arizona	15	23	10	2	2	2	4	8	4	6
Arkansas	351	344	292	325	330	438	491	450	504	612
California	2,095	1,674	1,393	2,397	2,694	2,808	2,553	2,485	2,340	3,039
North+	149	173	214	219	211	190	165	184	154	247
Central Coastal+	284	212	221	287	303	288	315	208	265	343
East Central+	1,375	1,022	797	1,657	1,962	2,074	1,864	1,871	1,672	2,126
South+	211	187	96	155	152	228	146	137	126	186
Offshore+	76	80	65	79	66	28	63	85	123	137
Colorado	990	975	945	919	1,172	1,152	1,212	1,156	1,069	1,414
Florida	42	109	60	40	52	26	32	29	32	21
Georgia	1	2	4	5	3	3	0	1	0	1
Idaho	0	1	5	2	1	2	1	7	3	5
Illinois	622	655	656	855	1,129	1,484	1,143	1,202	1,327	2,482
Indiana	228	284	259	389	400	509	621	685	494	751
Iowa	1	0	0	2	0	0	1	0	0	0
Kansas	2,398	2,498	2,244	2,960	3,728	3,705	4,060	4,576	4,436	6,266
Kentucky	829	817	652	759	1,0[illegible]	1,189	1,095	1,077	1,195	2,171
Louisiana	3,078	3,244	2,719	2,833	3,105	3,373	3,439	3,817	4,063	5,147
North+	1,028	1,086	834	1,255	1,257	1,732	1,637	1,882	2,132	3,187
South+	1,189	1,150	1,125	958	1,169	1,069	1,017	1,212	1,208	1,316
Offshore+	861	1,008	760	620	679	572	785	723	723	644
Maryland	0	1	1	1	3	3	3	3	0	1
Massachusetts	0	0	0	0	0	1	0	0	0	0
Michigan	306	317	307	441	536	530	545	539	538	676
Mississippi	524	455	367	440	454	504	539	496	534	680
Missouri	15	4	13	96	95	44	53	49	85	266
Montana	485	733	685	792	858	773	679	778	822	902
Nebraska	215	275	176	263	347	312	425	451	450	514
Nevada	6	2	0	2	5	8	18	22	12	21
New Jersey	0	0	0	0	0	1	0	0	0	0
New Mexico	867	1,093	1,083	1,193	1,173	1,042	1,407	1,625	1,656	2,126
New York	129	144	222	373	610	519	485	427	513	507
North Carolina	12	2	7	3	1	1	0	0	0	0
North Dakota	158	94	129	145	205	245	242	341	440	619
Ohio	1,256	1,548	1,724	1,552	1,558	2,205	2,768	3,333	3,657	5,093
Oklahoma	2,444	2,502	2,470	3,386	3,960	4,741	5,344	6,164	6,980	10,158
Oregon	2	0	0	0	0	0	2	0	21	41
Pennsylvania	786	1,100	1,299	1,559	1,270	1,316	1,569	2,182	2,295	3,261
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	32	19	17	17	27	36	43	50	49	75
Tennessee	170	95	99	181	232	199	287	264	348	550

Well Completions by State
As Completed*

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Texas	7,737	8,365	8,656	10,321	13,276	12,982	15,114	15,863	15,810	20,038
Dist. 1+	693	649	572	630	912	1,222	1,257	939	1,010	1,732
Dist. 2+	368	460	543	692	826	734	914	1,033	810	849
Dist. 3+	778	852	831	1,013	1,072	1,061	1,261	1,337	1,391	2,032
Dist. 4+	692	794	761	904	1,077	1,153	1,230	1,307	1,363	1,370
Dist. 5+	131	118	100	140	173	193	167	254	260	379
Dist. 6+	374	314	312	329	419	399	414	612	650	705
Dist. 7B+	926	1,029	944	1,372	1,897	1,357	2,402	2,610	2,449	3,010
Dist. 7C+	477	673	858	979	1,197	1,114	1,462	1,321	1,406	1,768
Dist. 8+	1,275	1,334	1,412	1,432	2,031	1,933	1,839	1,826	1,864	2,338
Dist. 8A+	860	768	931	973	1,277	1,082	1,297	1,463	1,282	1,620
Dist. 9+	928	1,007	877	1,215	1,680	1,880	2,083	2,134	2,385	3,201
Dist. 10+	197	309	435	476	549	550	477	720	730	789
Offshore+	38	58	80	166	166	304	311	307	210	245
Utah	98	153	208	211	196	131	305	268	284	291
Virginia	7	16	20	45	36	11	25	31	25	27
Washington	0	0	0	0	0	3	0	0	6	3
West Virginia	768	669	858	741	772	1,035	1,267	1,537	1,612	1,924
Wyoming	903	1,058	938	1,026	1,327	1,059	1,281	1,489	1,392	1,518
Off. Fed. Waters	0	0	0	14	35	29	46	29	51	35
Alaska+	0	0	0	0	1	1	11	4	3	4
Atlantic Coast+	0	0	0	0	0	0	1	7	18	4
Gulf of Mexico+	0	0	0	14	34	28	34	18	30	27
Pacific Coast+	0	0	0	0	0	0	0	0	0	0
Total U.S.	**27,682**	**29,420**	**28,662**	**34,415**	**40,804**	**42,614**	**47,308**	**51,671**	**53,362**	**71,562**
Total Offshore	976	1,153	915	890	960	951	1,224	1,155	1,115	1,067

Well Completions by State
As Completed*

	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	222	214	217	383	360	220	272	330	474
Alaska	172	227	163	186	104	184	96	138	99
Arizona	14	14	12	2	3	6	4	1	1
Arkansas	889	825	900	897	1,018	484	413	430	311
California	3,838	3,097	2,733	3,898	3,599	2,252	2,538	1,953	1,587
North+	288	224	215	290	264	162	182	176	120
Central Coastal+	355	217	169	163	163	118	136	89	35
East Central+	2,702	2,214	2,104	3,201	2,960	1,829	2,141	1,564	1,377
South+	300	211	142	112	120	102	37	89	33
Offshore+	193	231	103	132	92	41	42	35	22
Colorado	1,977	1,832	1,484	1,806	1,551	1,029	890	1,029	830
Florida	25	21	20	24	21	14	9	10	11
Georgia	2	1	0	3	1	2	1	2	0
Idaho	5	6	4	3	3	4	1	2	0
Illinois	3,436	3,253	3,035	2,941	2,381	1,343	1,323	1,209	815
Indiana	828	1,051	1,022	990	972	443	352	278	179
Iowa	0	0	0	0	1	3	1	1	5
Kansas	8,551	8,561	7,265	6,550	5,584	3,146	3,236	2,992	2,243
Kentucky	3,062	3,804	4,232	3,844	2,643	1,016	1,201	1,138	762
Louisiana	5,503	5,117	5,048	6,891	5,450	2,669	2,404	2,212	1,470
North+	3,522	3,225	3,050	4,553	3,450	1,426	1,135	947	701
South+	1,301	1,303	1,197	1,437	1,353	750	781	670	495
Offshore+	680	589	801	901	647	493	488	595	274
Maryland	1	0	0	2	0	1	1	2	0
Massachusetts	0	0	0	0	0	0	0	0	0
Michigan	787	900	772	1,121	863	541	537	635	791
Mississippi	788	584	550	615	572	295	317	345	289
Missouri	397	305	243	260	84	10	18	12	6
Montana	1,289	816	511	820	609	348	298	353	220
Nebraska	608	414	369	377	277	156	204	135	100
Nevada	34	13	8	37	34	20	15	20	18
New Jersey	0	0	0	0	0	0	0	0	0
New Mexico	2,527	2,100	1,527	1,668	1,743	934	800	889	902
New York	578	668	413	609	436	257	254	178	66
North Carolina	0	0	1	1	0	0	1	0	0
North Dakota	879	696	489	700	497	219	186	255	172
Ohio	6,082	4,814	4,288	4,958	3,743	1,946	1,794	1,344	1,001
Oklahoma	13,125	11,390	8,943	9,579	7,617	4,570	3,883	3,289	2,603
Oregon	20	8	0	1	5	10	10	18	14
Pennsylvania	3,962	3,399	2,465	3,533	2,806	1,258	1,141	991	799
South Carolina	0	0	0	1	0	0	1	1	0
South Dakota	90	53	52	44	49	17	15	20	13
Tennessee	628	627	517	366	237	182	165	84	45

Well Completions by State
As Completed*

	1981	1982	1983	1984	1985	1986	1987	1988	1989
Texas	26,442	25,439	24,089	27,696	24,291	13,253	11,259	9,925	8,159
Dist. 1+	2,760	2,528	2,739	3,284	2,683	1,688	1,047	866	556
Dist. 2+	968	829	698	730	543	455	475	417	434
Dist. 3+	2,813	2,032	1,915	2,132	1,715	871	857	744	602
Dist. 4+	1,430	1,317	1,294	1,515	1,444	815	792	789	724
Dist. 5+	637	771	580	546	580	375	334	229	199
Dist. 6+	1,033	1,226	1,081	1,126	1,060	665	589	508	549
Dist. 7B+	4,627	4,467	4,390	5,065	4,186	2,308	1,773	1,454	1,178
Dist. 7C+	2,107	2,164	1,781	2,006	1,736	902	720	670	668
Dist. 8+	2,607	2,763	2,818	3,481	3,497	1,826	1,487	1,602	1,151
Dist. 8A+	2,130	2,072	1,881	2,479	2,081	991	1,165	999	766
Dist. 9+	4,058	3,946	3,742	3,821	3,481	1,821	1,460	1,106	955
Dist. 10+	1,033	1,084	1,008	1,322	1,069	434	443	375	281
Offshore+	239	240	162	189	216	102	117	166	96
Utah	555	482	415	493	359	198	122	133	79
Virginia	32	97	35	67	88	139	21	29	22
Washington	0	8	5	7	4	0	1	3	3
West Virginia	2,170	2,114	1,619	1,919	1,432	887	862	662	742
Wyoming	2,043	1,719	1,508	1,804	1,533	830	809	728	520
Off. Fed. Waters	39	60	78	100	138	124	83	138	97
Alaska+	0	1	0	2	10	6	1	1	1
Atlantic Coast+	5	7	1	3	0	0	0	0	0
Gulf of Mexico+	34	48	55	83	124	110	76	131	93
Pacific Coast+	0	4	22	12	4	8	6	6	3
Total U.S.	**91,600**	**84,729**	**75,032**	**85,196**	**71,108**	**39,010**	**35,538**	**31,914**	**25,448**
Total Offshore	1,156	1,134	1,152	1,325	1,104	772	737	945	499

* Subject to revision as additional wells are reported which were completed in recent years.

+ Included in total for state or area.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

Footage Drilled by State
As Completed*
Thousands of feet

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Alabama	589.3	1,266.0	1,117.4	841.3	1,216.0	1,182.1	1,115.6	1,059.2	1,455.2	1,258.8
Alaska	347.2	272.1	304.0	285.4	656.9	760.2	742.7	661.2	990.2	1,280.1
Arizona	44.0	82.2	47.0	10.3	10.0	8.0	16.8	31.6	13.3	14.0
Arkansas	1,921.5	1,952.4	1,658.4	1,747.2	1,671.3	2,058.2	2,420.3	2,220.4	2,470.3	3,196.9
California	5,570.5	4,801.2	4,533.7	6,098.9	6,300.7	6,936.5	6,201.1	6,591.2	6,415.4	8,476.5
North+	914.9	1,052.4	1,238.6	1,240.6	1,157.0	1,098.7	932.1	1,004.9	943.1	1,538.5
Central Coastal+	1,140.6	919.3	981.7	1,082.9	1,072.9	950.2	1,012.2	663.9	816.6	1,213.8
East Central+	2,440.5	1,906.8	1,716.9	3,024.6	3,438.9	4,003.3	3,581.4	4,079.8	3,714.7	4,524.8
South+	722.8	622.7	380.6	503.6	377.7	738.9	410.1	388.9	446.6	639.5
Offshore+	351.7	300.0	215.9	247.2	254.2	145.4	265.4	453.6	494.4	559.9
Colorado	5991.68	5,545.8	5,543.0	5,454.8	6,748.9	5,920.4	6,297.0	5,821.0	5,392.2	7,413.0
Florida	528.5	1,589.8	776.3	454.3	627.2	308.6	384.5	342.5	409.4	253.9
Georgia	7.1	7.7	25.5	25.3	10.5	9.9	0.0	4.4	0.0	6.9
Idaho	0.0	3.6	39.8	8.5	4.8	17.9	14.3	66.1	30.6	58.5
Illinois	1,292.4	1,430.1	1,560.5	2,071.1	2,596.4	3,263.0	3,044.1	3,168.2	3,349.2	6,250.6
Indiana	312.1	385.3	362.8	601.5	684.8	853.9	1,290.5	1,336.9	906.1	1,425.1
Iowa	1.6	0.0	0.0	3.4	0.0	0.0	3.3	0.0	0.0	0.0
Kansas	7,320.8	8.029.3	7,030.1	8,469.3	10,997.5	11,513.1	13,212.8	15,046.0	14,494.1	19,958.7
Kentucky	1,199.1	1,262.0	1,042.4	1,143.6	1,501.8	1,680.4	1,508.8	1,498.1	1,637.0	2,919.6
Louisiana	24,823.9	25,966.6	22,159.5	19,982.5	22,372.8	21,657.1	23,822.3	27,398.0	28,527.0	31,891.9
North+	3,608.2	3,788.7	3,191.5	4,697.0	4,639.9	5,938.3	6,032.0	6,690.1	7,752.4	10,716.2
South+	12,165.7	12,075.3	11,814.2	9,661.0	11,488.7	10,793.1	10,741.3	13,548.1	13,629.5	14,727.7
Offshore+	9,050.1	10,102.6	7,153.8	5,624.6	6,244.2	4,925.8	7,049.0	7,159.9	7,145.1	6,448.1
Maryland	0.0	8.1	11.6	5.1	24.1	23.4	22.8	22.8	0.0	5.3
Massachusetts	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0
Michigan	1,273.2	1,518.3	1,600.8	2,176.5	2,514.7	2,359.5	2,516.8	2,438.6	2,370.4	2,853.0
Mississippi	4,680.6	4,042.6	3,293.7	3,571.0	3,608.0	4,105.7	4,552.7	4,480.6	4,713.6	6,039.4
Missouri	10.2	3.9	17.4	44.8	45.5	23.7	22.7	16.3	20.5	79.2
Montana	1,804.7	2,297.0	1,929.2	2,269.4	2,527.1	2,787.9	2,480.1	2,891.6	3,221.1	3,781.9
Nebraska	1,045.7	1,305.6	889.7	1,333.5	1,734.9	1,543.9	2,144.3	2,196.5	1,930.7	2,442.3
Nevada	50.1	10.5	0.0	18.0	10.1	59.5	83.5	118.7	79.4	145.4
New Jersey	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0
New Mexico	4,606.7	5,830.8	5,774.3	6,637.3	6,637.5	5,355.4	7,592.5	8,826.4	9,364.7	12,023.7
New York	208.4	219.8	401.4	793.2	1,440.5	1,235.8	1,069.1	923.8	1,156.1	1,349.7
North Carolina	24.1	6.3	28.1	14.7	5.6	3.7	0.0	0.0	0.0	0.0
North Dakota	986.2	603.6	909.0	1,037.9	1,356.2	1,768.3	1,886.9	2,859.0	3,906.0	5,775.7
Ohio	4,856.0	6,455.1	7,284.9	6,308.0	6,149.9	8,518.3	10,742.0	12,504.5	12,905.1	18,284.5
Oklahoma	12,039.1	12,860.1	13,199.8	17,187.7	19,553.8	23,273.0	26,700.4	30,579.0	33,684.8	45,844.6
Oregon	3.2	0.0	0.0	0.0	0.0	0.0	10.8	0.0	83.0	125.2
Pennsylvania	1,331.4	2,125.4	2,921.6	3,315.3	3,103.5	2,863.1	3,855.9	5,438.4	5,736.6	7,361.0
South Carolina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South Dakota	145.9	65.1	92.9	85.3	141.0	209.6	327.8	315.6	238.8	287.2
Tennessee	242.0	114.5	146.8	286.4	356.1	333.9	475.8	449.9	589.8	863.3

Footage Drilled by State
As Completed*
Thousands of feet

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Texas	38,931.0	42,458.7	46,438.1	53,010.0	66,590.1	68,371.3	79,108.6	85,765.5	83,267.7	103,971.4
Dist. 1+	2,773.4	2,187.2	2,185.4	2,226.1	3,251.2	5,906.8	6,367.1	4,051.4	3,244.1	5,714.2
Dist. 2+	2,380.6	2,922.6	3,201.5	4,101.0	5,055.5	4,454.1	5,510.8	6,366.5	4,992.2	5,436.0
Dist. 3+	4,652.1	5,460.5	5,662.2	6,338.8	6,960.3	7,287.3	8,787.5	9,552.3	10,355.3	16,178.7
Dist. 4+	4,304.5	5,106.4	4,789.7	5,707.1	6,613.7	7,473.4	8,208.7	9,064.2	9,648.6	9,775.5
Dist. 5+	801.2	808.0	710.1	799.1	1,021.4	1,064.4	1,092.7	1,648.0	1,783.3	2,195.7
Dist. 6+	1,758.1	1,901.4	1,856.7	2,158.3	2,535.9	2,796.1	3,069.0	4,867.2	5,234.2	5,430.9
Dist. 7B+	2,779.3	2,823.8	2,954.9	4,431.0	6,182.7	4,439.3	7,644.5	8,769.5	7,757.5	9,639.0
Dist. 7C+	2,128.8	3,425.0	4,812.4	5,381.2	6,783.4	6,101.3	7,963.8	7,380.9	7,820.1	9,868.4
Dist. 8+	8,973.5	8,241.8	8,961.6	8,642.9	11,162.3	10,944.2	10,292.6	10,415.5	9,795.2	12,894.9
Dist. 8A+	4,074.5	4,263.3	4,918.1	5,148.2	7,232.3	6,170.2	7,653.0	8,393.1	7,360.2	9,140.4
Dist. 9+	2,524.1	2,665.0	2,774.7	3,670.0	4,414.3	5,351.2	6,321.6	7,281.0	8,148.9	10,431.7
Dist. 10+	1,393.0	2,083.2	2,915.0	3,030.7	3,932.5	3,715.1	3,427.8	5,269.2	5,168.6	4,943.5
Offshore+	387.9	570.5	696.0	1,375.6	1,444.5	2,667.9	2,769.6	2,607.0	1,959.5	2,322.6
Utah	687.3	1,285.2	1,786.5	1,692.7	1,581.1	818.2	1,897.9	1,666.3	1,673.4	1,665.9
Virginia	31.6	67.3	98.6	224.1	168.8	43.5	123.5	147.7	104.0	103.8
Washington	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	2.6	2.2
West Virginia	2,314.4	2,080.6	2,673.6	2,275.8	2,282.0	3,234.6	4,183.6	5,279.9	5,643.9	7,308.9
Wyoming	5,445.9	6,556.9	6,176.1	7,060.4	9,286.2	7,464.4	9,274.3	10,040.1	10,026.4	11,262.9
Off. Fed. Waters	0.0	0.0	0.0	0.0	369.8	259.2	457.9	307.7	543.1	388.8
Alaska+	0.0	0.0	0.0	0.0	5.2	13.8	130.6	50.5	24.4	44.2
Atlantic Coast+	0.0	0.0	0.0	0.0	0.0	0.0	21.9	108.2	242.2	64.5
Gulf of Mexico+	0.0	0.0	0.0	0.0	364.7	245.4	305.4	149.0	276.5	280.1
Pacific Coast+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total U.S.	**130,667.1**	**142,509.6**	**141,874.4**	**156,649.9**	**184,886.2**	**190,864.6**	**219,574.3**	**242,513.5**	**247,350.8**	**316,369.8**
Total Offshore	9,794.6	11,030.3	8,154.4	7,427.6	8,451.3	8,170.9	10,712.4	10,599.6	10,210.2	9,777.1

Footage Drilled by State
As Completed*
Thousands of feet

	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	1,390.4	1,279.5	1,233.9	1,923.3	1,912.5	1,282.2	1,225.5	1,518.4	1,550.5
Alaska	1,701.9	2,109.6	1,524.1	1,600.5	911.2	1,761.4	929.7	1,417.7	1,040.9
Arizona	67.7	77.5	31.7	4.0	11.3	9.6	19.6	4.0	0.2
Arkansas	4,357.4	4,020.9	4,199.7	4,254.7	4,116.1	1,946.8	1,774.6	1,817.5	1,406.8
California	10,288.2	9,374.4	7,549.7	9,836.8	8,605.8	5,769.8	6,116.1	4,947.7	4,093.8
North+	1,679.4	1,412.8	1,391.0	1,875.6	1,750.8	1,059.9	1,171.4	1,120.4	692.3
Central Coastal+	1,329.3	975.4	671.4	640.0	659.5	564.7	552.4	347.6	191.6
East Central+	5,498.4	5,000.1	4,301.8	6,003.0	5,164.0	3,508.5	3,906.4	2,915.0	2,924.9
South+	856.3	799.1	562.0	477.0	438.7	352.1	149.5	262.8	136.9
Offshore+	924.8	1,187.0	623.6	841.2	592.9	284.7	336.5	301.9	148.1
Colorado	11,087.9	10,197.3	8,762.6	10,730.2	9,445.4	6,288.1	5,478.0	5,806.3	4,492.0
Florida	326.3	281.3	261.9	312.3	281.2	203.5	116.0	131.5	160.9
Georgia	17.6	8.2	0.0	23.4	2.3	10.1	6.5	7.5	0.0
Idaho	60.9	64.8	26.0	34.4	34.2	44.1	1.3	26.2	0.0
Illinois	9,237.5	8,315.4	6,892.7	7,129.1	5,426.4	2,776.2	2,782.2	2,204.0	1,575.3
Indiana	1,550.9	1,991.1	1,885.2	1,805.0	1,787.1	685.0	510.9	393.7	239.4
Iowa	0.0	0.0	0.0	0.0	3.3	6.8	17.9	3.6	5.8
Kansas	28,498.1	26,152.1	22,018.4	23,129.0	19,408.7	9,632.4	9,856.6	9,179.7	7,371.1
Kentucky	4,370.2	5,433.7	5,744.2	5,333.9	3,674.9	1,670.3	1,944.8	2,193.1	1,534.7
Louisiana	34,112.8	32,242.6	30,506.2	35,585.7	30,064.5	17,288.7	16,454.7	16,778.1	11,257.0
North+	12,601.3	11,371.3	10,076.7	12,288.8	9,683.8	4,662.1	4,520.9	4,119.7	3,304.7
South+	14,653.1	14,790.1	12,528.7	14,617.9	13,962.6	7,764.6	7,123.9	6,778.0	5,405.2
Offshore+	6,858.4	6,081.2	7,900.8	8,679.0	6,418.2	4,862.0	4,809.9	5,880.4	2,547.0
Maryland	7.5	0.0	0.0	11.6	0.0	5.3	5.3	8.8	0.0
Massachusetts	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Michigan	3,171.6	3,736.9	3,119.6	4,615.6	3,510.6	2,324.8	2,225.7	2,147.3	2,184.1
Mississippi	7,038.4	5,217.4	4,464.0	5,154.0	4,874.9	2,641.9	2,656.7	3,030.4	2,489.2
Missouri	163.9	132.6	92.5	85.0	29.2	16.0	25.6	43.1	18.8
Montana	6,549.2	3,979.5	2,314.3	4,008.5	2,946.3	1,280.5	1,244.7	1,370.7	732.0
Nebraska	2,946.0	1,890.1	1,809.6	1,833.7	1,377.1	802.8	1,118.4	718.4	505.3
Nevada	180.3	99.9	59.7	225.6	208.1	107.0	96.1	107.3	85.2
New Jersey	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
New Mexico	14,151.6	11,708.3	8,716.6	10,122.0	10,646.1	5,666.8	4,838.9	5,248.4	4,718.8
New York	1,650.0	2,163.0	1,288.6	1,681.7	1,002.1	570.7	638.3	479.6	171.4
North Carolina	0.0	0.0	4.6	1.0	0.0	0.0	4.1	0.0	0.0
North Dakota	8,197.4	6,947.5	4,386.9	6,150.6	4,460.4	2,025.9	1,654.8	2,088.5	1,506.1
Ohio	21,607.0	17,147.0	15,239.7	18,339.0	14,323.7	7,546.7	7,119.5	5,529.5	4,048.5
Oklahoma	62,638.3	60,375.8	42,808.0	45,862.9	38,095.6	23,452.1	20,224.0	18,221.0	14,387.6
Oregon	86.9	33.5	0.0	3.5	13.7	26.6	28.8	52.6	32.8
Pennsylvania	9,542.5	8,298.3	5,861.2	8,336.3	7,978.6	4,412.6	4,432.4	4,049.3	3,470.9
South Carolina	0.0	0.0	0.0	12.8	0.0	0.0	6.0	2.1	0.0
South Dakota	424.4	206.8	187.4	303.3	281.8	70.1	44.1	96.1	75.0
Tennessee	1,015.3	1,016.0	742.8	575.5	353.5	295.3	263.4	135.1	75.1

Footage Drilled by State
As Completed*
Thousands of feet

	1981	1982	1983	1984	1985	1986	1987	1988	1989
Texas	138,426.1	127,514.7	112,818.2	134,513.8	120,990.9	64,137.7	57,847.4	54,184.1	44,922.1
Dist. 1+	9,931.2	7,551.8	6,939.7	8,021.2	6,913.1	3,953.3	3,291.0	3,085.7	2,064.7
Dist. 2+	6,444.2	5,942.8	4,559.5	4,760.9	3,715.1	2,975.5	2,870.2	2,622.9	2,636.1
Dist. 3+	23,449.6	16,536.6	14,114.6	16,359.2	13,063.7	6,469.2	5,927.5	5,306.0	4,507.7
Dist. 4+	10,473.9	10,240.0	9,890.5	11,845.2	10,996.5	6,199.5	6,205.0	6,305.8	5,624.6
Dist. 5+	3,804.3	3,107.8	2,588.5	3,134.7	3,558.5	2,188.8	2,073.8	1,309.0	1,118.0
Dist. 6+	7,799.3	9,590.6	7,538.0	7,925.6	7,250.7	4,218.2	3,829.4	3,559.3	4,368.1
Dist. 7B+	15,568.7	13,643.9	13,242.6	15,209.4	12,887.8	6,779.9	5,544.9	4,603.3	3,515.9
Dist. 7C+	11,544.3	11,746.4	9,420.7	11,159.0	9,734.7	4,768.3	3,803.6	3,888.6	3,743.6
Dist. 8+	15,164.4	15,817.9	14,924.2	19,406.9	20,191.5	10,810.5	8,841.5	9,593.0	6,928.4
Dist. 8A+	12,348.7	11,595.2	10,516.9	13,828.2	12,648.6	6,014.1	6,959.9	6,048.8	4,341.0
Dist. 9+	13,554.1	13,203.7	11,821.3	13,481.7	11,757.4	5,925.4	4,715.2	3,802.2	3,294.2
Dist. 10+	6,055.2	6,205.9	5,607.4	7,402.8	5,981.7	2,754.5	2,638.2	2,369.3	1,886.4
Offshore+	2,288.1	2,332.1	1,624.3	1,978.9	2,291.7	1,080.5	1,147.3	1,684.1	893.3
Utah	3,661.8	3,168.1	2,526.6	3,409.9	2,596.0	1,414.9	744.6	772.6	458.6
Virginia	149.2	433.9	136.2	335.8	476.0	745.2	96.9	138.0	113.3
Washington	0.0	51.9	14.7	26.5	21.9	0.0	2.5	19.1	34.1
West Virginia	8,768.2	9,137.4	7,049.3	8,481.9	5,847.6	3,504.0	3,563.6	2,775.1	3,414.5
Wyoming	14,429.4	12,091.6	9,915.1	12,763.5	10,710.7	5,999.0	5,191.1	5,248.1	3,808.3
Off. Fed. Waters	437.7	660.8	768.7	1,025.2	1,378.2	1,343.9	852.4	1,358.0	982.5
Alaska+	0.0	11.6	0.0	20.0	94.7	69.2	14.7	10.0	13.0
Atlantic Coast+	70.4	117.8	14.5	45.4	0.0	0.0	0.0	0.0	0.0
Gulf of Mexico+	367.3	508.5	598.1	877.4	1,254.3	1,215.7	786.5	1,283.1	930.6
Pacific Coast+	0.0	22.8	156.1	82.4	29.2	59.0	51.2	64.9	38.9
Total U.S.	**412,310.3**	**377,559.3**	**314,930.3**	**369,581.4**	**317,807.7**	**177,764.8**	**162,159.8**	**154,252.3**	**122,962.5**
Total Offshore	10,541.2	10,375.7	11,000.6	12,456.9	10,853.6	7,728.7	7,203.3	9,337.4	4,685.4

* Subject to revision as additional wells are reported which were completed in recent years.

+ Included in total for state or area.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

Exploratory Well Completions by State
As Completed*

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	30	55	87	72	48	76	54	47	60	101
Alaska	30	5	12	13	12	24	6	21	12	14
Arizona	9	10	13	2	1	1	2	2	0	2
Arkansas	87	93	98	79	91	77	80	82	95	105
California	243	221	193	202	253	213	257	275	359	395
North+	68	79	81	100	97	99	108	120	144	136
Central Coastal+	35	39	42	34	49	28	37	24	43	47
East Central+	95	69	50	55	89	73	96	110	143	191
South+	30	19	16	11	13	8	9	4	14	13
Offshore+	15	15	4	2	5	5	7	17	15	8
Colorado	461	605	473	462	374	405	389	392	449	456
Florida	13	18	39	34	28	34	9	14	15	11
Georgia	3	1	2	4	5	3	3	0	1	0
Idaho	0	0	1	5	2	1	2	1	7	3
Illinois	198	152	157	213	225	253	226	238	277	284
Indiana	149	110	130	139	168	156	196	276	268	183
Iowa	3	1	0	0	2	0	0	1	0	0
Kansas	882	735	773	754	855	909	893	1,043	1,181	1,022
Kentucky	234	213	217	165	197	341	425	368	353	423
Louisiana	669	830	731	678	652	722	607	640	782	665
North+	140	176	171	143	224	203	195	209	261	229
South+	379	380	360	333	279	372	318	293	400	313
Offshore+	150	274	200	202	149	147	94	138	121	123
Maryland	0	0	1	0	1	1	0	0	0	0
Massachusetts	0	0	0	0	0	0	0	0	0	0
Michigan	152	162	182	191	264	282	294	297	267	255
Mississippi	232	213	237	209	288	260	265	272	241	242
Missouri	4	7	3	11	20	19	9	8	6	15
Montana	307	323	430	448	420	355	362	273	324	349
Nebraska	167	130	185	102	167	206	193	235	265	265
Nevada	2	6	2	0	2	5	8	12	14	11
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	159	158	200	191	215	162	162	180	205	212
New York	11	10	14	21	53	35	40	49	45	60
North Carolina	0	12	2	7	3	1	0	0	0	0
North Dakota	87	98	60	71	76	105	122	111	162	175
Ohio	35	41	64	160	134	157	133	81	77	114
Oklahoma	452	430	400	353	399	411	452	490	495	479
Oregon	0	2	0	0	0	0	0	2	0	17
Pennsylvania	43	21	83	94	124	88	67	116	94	105
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	64	24	18	16	11	24	29	20	21	32
Tennessee	50	113	68	68	117	169	153	177	149	163

Exploratory Well Completions by State
As Completed*

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Texas	2,022	1,848	2,077	2,416	3,141	3,291	3,276	3,726	4,085	3,910
Dist. 1+	205	191	167	192	205	205	293	376	280	311
Dist. 2+	186	179	150	270	377	413	338	385	466	399
Dist. 3+	326	262	345	395	439	452	488	510	523	390
Dist. 4+	218	193	249	274	327	350	360	421	513	609
Dist. 5+	82	63	65	64	75	76	55	65	87	92
Dist. 6+	101	107	109	87	114	134	97	108	113	149
Dist. 7B+	254	253	278	292	470	541	415	579	735	642
Dist. 7C+	138	131	164	187	219	270	347	369	337	292
Dist. 8+	159	125	147	131	170	203	200	202	219	190
Dist. 8A+	109	132	125	105	162	186	187	227	229	237
Dist. 9+	142	150	179	263	329	239	274	308	354	411
Dist. 10+	53	31	47	87	97	72	48	45	69	65
Offshore+	49	31	52	69	157	150	174	131	160	123
Utah	46	61	77	77	55	64	41	103	80	89
Virginia	0	0	1	3	8	8	3	9	5	4
Washington	0	0	0	0	0	0	3	0	0	0
West Virginia	88	66	89	109	81	95	114	115	151	124
Wyoming	504	357	432	402	463	473	415	440	470	411
Off. Fed. Waters	0	0	0	0	14	33	27	24	15	39
Alaska+	0	0	0	0	0	0	0	7	4	3
Atlantic Coast+	0	0	0	0	0	0	0	0	7	18
Gulf of Mexico+	0	0	0	0	14	33	27	17	4	18
Pacific Coast+	0	0	0	0	0	0	0	0	0	0
Total U.S.	**7,436**	**7,131**	**7,551**	**7,771**	**8,969**	**9,459**	**9,317**	**10,140**	**11,030**	**10,735**
Total Offshore	215	320	256	276	325	336	302	313	313	295

Exploratory Well Completions by State
As Completed*

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	77	75	79	84	121	143	77	69	100	105
Alaska	16	20	10	3	10	5	2	4	3	6
Arizona	6	8	7	11	2	2	6	4	1	1
Arkansas	111	154	128	154	133	122	85	90	58	58
California	443	538	468	195	204	201	142	170	120	115
North+	197	217	179	87	97	99	75	97	67	52
Central Coastal+	59	69	67	21	25	27	13	10	9	9
East Central+	160	231	193	67	63	67	48	53	37	46
South+	20	14	13	4	6	4	6	4	3	3
Offshore+	7	7	16	16	13	4	0	6	4	5
Colorado	553	849	653	504	579	563	285	258	292	275
Florida	8	10	12	13	12	10	6	4	7	9
Georgia	1	2	1	0	3	1	2	1	2	0
Idaho	5	5	6	4	3	3	4	1	2	0
Illinois	487	736	695	729	699	537	307	235	296	261
Indiana	327	347	451	453	404	403	152	154	113	71
Iowa	0	0	0	0	0	1	3	1	1	5
Kansas	1,237	1,848	1,838	1,718	2,346	1,503	1,110	1,247	991	843
Kentucky	619	870	1,119	1,375	972	635	196	190	146	134
Louisiana	808	971	801	592	763	621	427	347	344	261
North+	334	389	330	252	286	240	113	123	89	103
South+	328	406	314	226	280	216	168	99	82	61
Offshore+	146	176	157	114	197	165	146	125	173	97
Maryland	1	1	0	0	2	0	1	1	2	0
Massachusetts	0	0	0	0	0	0	0	0	0	0
Michigan	316	402	449	302	536	454	259	274	254	175
Mississippi	310	357	268	252	282	260	109	115	138	132
Missouri	22	78	79	43	28	15	5	6	10	5
Montana	382	521	275	181	251	222	143	99	140	58
Nebraska	252	279	197	187	180	160	85	128	91	61
Nevada	20	28	11	7	32	25	20	13	15	12
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	273	358	314	192	225	288	157	155	111	91
New York	59	79	44	41	30	18	11	8	8	4
North Carolina	0	0	0	1	1	0	0	1	0	0
North Dakota	256	461	371	211	279	219	126	98	137	73
Ohio	66	151	180	114	108	84	31	42	39	16
Oklahoma	554	733	707	567	515	406	219	244	253	199
Oregon	32	20	8	0	1	3	8	6	11	8
Pennsylvania	255	342	165	92	102	60	24	30	42	30
South Carolina	0	0	0	0	1	0	0	0	1	0
South Dakota	33	47	33	34	16	16	17	9	9	7
Tennessee	293	333	413	328	164	117	57	34	10	4

Exploratory Well Completions by State
As Completed*

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Texas	4354	5,688	5,077	4,524	5,111	4,174	2,520	2,224	1,981	1,641
Dist. 1+	278	401	296	242	269	214	177	158	129	92
Dist. 2+	418	412	395	331	312	241	230	212	141	154
Dist. 3+	461	640	445	363	455	368	201	202	222	217
Dist. 4+	574	607	539	526	564	476	236	207	229	190
Dist. 5+	109	143	132	89	124	109	56	50	60	54
Dist. 6+	153	205	192	170	192	192	133	130	99	76
Dist. 7B+	883	1,348	1,155	1,166	1,364	850	494	397	295	248
Dist. 7C+	399	500	458	359	364	326	198	152	153	146
Dist. 8+	218	241	280	248	267	248	154	130	125	81
Dist. 8A+	299	402	308	279	363	342	203	198	191	121
Dist. 9+	404	636	720	630	671	622	357	298	218	172
Dist. 10+	45	28	16	12	55	68	31	31	28	34
Offshore+	113	125	141	109	111	118	50	59	91	56
Utah	112	208	149	132	112	54	37	48	45	22
Virginia	2	6	26	14	3	3	7	2	4	2
Washington	2	0	5	1	1	2	0	1	3	3
West Virginia	119	170	156	60	37	35	15	20	11	6
Wyoming	435	708	537	473	607	552	363	328	322	178
Off. Fed. Waters	24	27	34	36	74	109	69	44	90	66
Alaska+	4	0	1	0	2	10	4	0	1	1
Atlantic Coast+	4	5	7	1	3	0	0	0	0	0
Gulf of Mexico+	16	22	22	13	57	95	61	44	88	65
Pacific Coast+	0	0	4	22	12	4	4	0	1	0
Total U.S.	**12,870**	**17,430**	**15,766**	**13,627**	**14,949**	**12,026**	**7,087**	**6,705**	**6,203**	**4,937**
Total Offshore	290	335	348	275	394	401	267	234	358	226

* Subject to revision as additional wells are reported which were completed in recent years.
+ Included in total for state or area.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv. & Strat.+	
	Wells	**Footage**	**Wells**	**Footage**	**Wells**	**Footage**	**Wells**	**Footage**	**Wells**	**Footage**
January 1970	1,141	4,858,326	384	2,201,916	1,050	5,872,281	2,575	12,932,523	2,693	13,217,048
February	1,246	5,302,693	317	1,897,586	762	4,284,288	2,325	11,484,567	2,449	11,724,999
March	1,018	4,485,537	305	1,927,705	795	4,296,368	2,118	10,709,610	2,215	10,991,411
April	1,001	4,557,203	296	1,872,689	807	4,269,227	2,104	10,699,119	2,271	11,061,802
May	1,097	4,636,590	320	1,966,779	915	4,744,811	2,332	11,348,180	2,419	11,585,720
June	1,181	4,753,903	335	2,189,983	898	4,622,182	2,414	11,566,068	2,506	11,800,797
July	1,100	4,877,808	310	1,905,437	974	4,906,473	2,384	11,689,718	2,519	11,938,470
August	1,073	4,769,604	307	1,716,847	929	4,800,956	2,309	11,287,407	2,394	11,484,848
September	998	4,611,144	330	1,843,021	883	4,455,179	2,211	10,909,344	2,330	11,153,799
October	1,010	4,549,024	349	1,960,315	972	4,728,515	2,331	11,237,854	2,433	11,477,450
November	1,004	4,305,428	332	1,863,988	954	4,848,160	2,290	11,017,576	2,381	11,347,095
December	1,174	5,123,483	446	2,270,599	1,160	6,283,479	2,780	13,677,561	2,932	14,183,054
Total 1970	**13,043**	**56,830,743**	**4,031**	**23,616,865**	**11,099**	**58,111,919**	**28,173**	**138,559,527**	**29,542**	**141,966,493**
January 1971	1,016	4,572,820	343	2,175,863	871	4,876,559	2,230	11,625,242	2,354	11,928,064
February	937	3,698,318	279	1,943,442	645	3,460,461	1,861	9,102,221	1,947	9,307,039
March	1,038	4,341,764	260	1,773,359	648	3,308,125	1,946	9,423,248	2,056	9,719,095
April	1,063	4,252,568	291	1,725,639	707	3,579,901	2,061	9,558,108	2,171	9,793,283
May	939	4,007,809	288	1,759,028	757	3,964,649	1,984	9,731,486	2,116	9,998,577
June	951	4,036,243	311	1,871,479	895	4,528,102	2,157	10,435,824	2,294	10,760,366
July	1,003	4,143,074	353	2,018,685	922	4,821,832	2,278	10,983,591	2,415	11,318,795
August	945	4,011,821	357	2,082,155	893	4,678,176	2,195	10,772,152	2,322	11,069,287
September	965	3,856,493	352	1,955,982	910	4,840,906	2,227	10,653,381	2,351	10,942,835
October	1,032	3,951,631	382	1,917,472	1,052	5,348,804	2,466	11,217,907	2,595	11,487,099
November	1,012	4,008,158	376	2,035,590	1,051	4,509,233	2,439	11,652,981	2,562	11,986,832
December	1,002	4,177,021	391	2,161,158	1,031	5,761,632	2,424	12,099,811	2,499	12,355,853
Total 1971	**11,903**	**49,057,720**	**3,983**	**23,419,852**	**10,382**	**53,678,380**	**26,268**	**127,255,952**	**27,682**	**130,667,125**
January 1972	970	4,247,779	433	2,551,256	1,035	5,677,684	2,438	12,476,719	2,581	12,829,582
February	1,029	4,389,967	382	2,353,491	784	4,400,068	2,195	11,143,526	2,331	11,428,715
March	1,085	4,662,161	348	2,113,319	795	4,276,865	2,228	11,052,345	2,396	11,482,587
April	970	4,524,556	400	2,333,706	836	4,374,341	2,206	11,232,603	2,354	11,614,518
May	1,060	4,456,646	392	2,362,811	835	4,431,681	2,287	11,251,138	2,416	11,611,156
June	963	3,874,400	424	2,280,203	968	4,804,688	2,355	10,959,291	2,470	11,275,380
July	968	4,185,170	458	2,374,165	914	5,063,906	2,340	11,623,241	2,457	11,892,697
August	1,049	4,272,477	574	1,863,188	980	5,187,039	2,603	12,322,704	2,740	12,655,677
September	948	4,230,932	468	2,477,941	934	4,799,830	2,350	11,508,703	2,523	11,893,417
October	845	3,726,592	597	3,159,984	1,052	5,694,206	2,494	12,580,782	2,574	12,799,566
November	798	3,531,805	521	2,798,198	944	5,156,685	2,263	11,486,688	2,309	11,602,376
December	752	3,381,479	487	2,588,453	936	5,188,890	2,175	11,158,822	2,269	11,423,943
Total 1972	**11,437**	**49,483,964**	**5,484**	**29,256,715**	**11,013**	**59,055,883**	**27,934**	**138,796,562**	**29,420**	**142,509,614**
January 1973	784	3,655,120	522	2,718,529	887	5,209,912	2,193	11,583,561	2,278	11,801,226
February	703	3,186,184	454	2,704,221	757	4,293,473	1,914	10,183,878	1,987	10,369,732
March	857	3,774,564	496	2,835,840	823	4,511,369	2,176	11,121,773	2,261	11,311,510
April	688	3,235,137	548	3,156,596	668	3,712,142	1,904	10,103,875	1,967	10,279,293
May	897	4,085,379	603	3,377,850	819	4,464,313	2,319	11,927,542	2,372	12,070,115
June	922	4,095,754	551	2,894,618	833	4,369,581	2,306	11,359,953	2,369	11,509,761
July	867	3,687,114	617	3,212,662	904	4,649,555	2,388	11,549,331	2,462	11,763,664
August	984	4,249,520	695	3,720,301	1,031	5,213,053	2,710	13,182,874	2,806	13,408,147
September	902	3,820,540	577	3,188,670	873	4,513,783	2,352	11,522,993	2,419	11,718,074
October	900	3,738,024	697	3,610,428	966	5,315,478	2,563	12,663,930	2,672	12,989,845
November	918	3,861,831	621	3,429,963	916	4,900,245	2,455	12,192,039	2,559	12,422,737
December	829	3,370,025	594	3,361,930	989	5,301,034	2,412	12,032,989	2,510	12,230,272
Total 1973	**10,251**	**44,759,192**	**6,975**	**38,211,608**	**10,466**	**56,453,938**	**27,692**	**139,424,738**	**28,662**	**141,874,376**

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv & Strat.+	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1974	914	3,821,342	686	3,472,733	869	4,665,833	2,469	11,959,908	2,530	12,129,353
February	886	3,539,722	547	2,905,287	802	5,635,630	2,235	10,980,639	2,304	11,160,235
March	1,068	4,441,941	659	3,413,015	905	4,982,380	2,632	12,837,336	2,749	13,080,094
April	1,133	4,486,031	627	3,582,310	963	5,140,893	2,723	13,209,234	2,817	13,462,532
May	1,196	4,430,318	603	3,355,764	1,032	5,334,661	2,831	13,120,743	2,942	13,448,576
June	1,219	4,498,919	589	3,064,979	962	4,849,218	2,770	12,413,116	2,878	12,616,759
July	1,255	4,859,398	605	3,221,406	1,127	5,814,960	2,987	13,895,764	3,104	14,128,970
August	1,215	4,260,856	554	2,883,415	1,074	5,575,892	2,843	12,720,163	2,933	12,927,613
September	1,090	4,192,284	572	3,151,840	1,073	5,324,743	2,735	12,668,867	2,862	12,879,578
October	1,279	4,864,465	634	3,247,130	1,153	5,704,423	3,066	13,816,018	3,203	14,127,008
November	1,107	3,999,472	527	3,068,055	1,104	5,555,857	2,738	12,623,384	2,909	12,890,976
December	1,302	4,675,564	565	3,115,603	1,141	5,740,060	3,008	13,531,227	3,184	13,798,176
Total 1974	**13,664**	**52,070,312**	**7,168**	**38,481,537**	**12,205**	**64,324,550**	**33,037**	**153,776,399**	**34,415**	**156,649,870**
January 1975	1,315	5,413,635	619	3,506,016	1,143	5,975,022	3,077	14,894,673	3,278	15,246,268
February	1,070	4,351,900	539	3,150,347	872	4,845,066	2,481	12,347,313	2,711	12,713,010
March	1,320	5,400,416	534	3,066,346	1,036	5,813,645	2,890	14,280,407	3,046	14,566,942
April	1,336	5,442,334	595	3,443,958	1,041	5,367,056	2,972	14,253,348	3,111	14,513,938
May	1,355	5,522,330	637	3,741,542	1,048	5,513,767	3,040	14,777,639	3,199	15,075,957
June	1,433	5,357,926	681	3,699,127	1,090	5,455,520	3,204	14,512,573	3,324	14,806,011
July	1,453	5,728,657	732	3,819,429	1,168	5,830,162	3,353	15,378,248	3,455	15,635,367
August	1,544	5,796,138	838	4,363,330	1,198	5,828,182	3,580	15,987,650	3,753	16,371,402
September	1,499	5,865,575	792	4,167,603	1,269	5,855,372	3,560	15,888,550	3,664	16,160,105
October	1,726	6,532,475	843	4,269,200	1,382	6,588,547	3,951	17,390,222	4,197	17,836,850
November	1,437	5,507,776	678	3,553,622	1,234	6,003,555	3,349	15,064,953	3,482	15,372,503
December	1,491	6,006,705	681	3,700,194	1,255	6,557,518	3,427	16,264,417	3,584	16,587,888
Total 1975	**16,979**	**66,925,867**	**8,169**	**44,480,714**	**13,736**	**69,633,412**	**38,884**	**181,039,993**	**40,804**	**184,886,241**
January 1976	1,711	6,471,244	869	4,437,225	1,323	6,709,846	3,903	17,618,314	4,166	18,039,384
February	1,286	5,119,258	694	3,808,629	1,049	5,172,155	3,029	14,100,042	3,195	14,451,411
March	1,499	5,835,181	717	3,853,175	1,176	6,027,688	3,392	15,716,044	3,502	15,971,060
April	1,470	5,734,777	661	3,604,364	1,132	5,625,413	3,263	14,964,554	3,354	15,150,977
May	1,385	5,349,631	709	3,801,759	1,073	5,079,020	3,167	14,230,410	3,297	14,501,809
June	1,543	5,955,595	780	4,147,610	1,124	5,198,699	3,447	15,301,904	3,565	15,555,553
July	1,336	5,213,785	799	4,058,873	1,081	5,615,980	3,216	14,888,638	3,336	15,132,590
August	1,586	5,950,879	970	4,781,871	1,098	5,368,881	3,654	16,101,631	3,819	16,396,747
September	1,478	5,760,277	864	4,298,523	1,156	5,792,606	3,498	15,851,406	3,643	16,164,583
October	1,532	6,069,975	819	4,244,272	1,245	6,357,909	3,596	16,672,156	3,688	16,930,980
November	1,399	5,546,827	845	4,309,173	1,164	6,009,450	3,408	15,865,450	3,508	16,136,077
December	1,472	5,820,267	711	3,852,215	1,184	6,306,554	3,367	15,979,036	3,541	16,433,384
Total 1976	**17,697**	**68,827,696**	**9,438**	**49,197,689**	**13,805**	**69,264,201**	**40,940**	**187,289,585**	**42,614**	**190,864,555**
January 1977	1,388	5,744,725	851	4,331,421	1,097	5,926,871	3,336	16,003,017	3,462	16,318,234
February	1,348	5,572,602	784	4,272,302	1,003	5,359,260	3,135	15,204,164	3,242	15,460,639
March	1,657	6,815,220	1,010	5,388,632	1,216	6,280,051	3,883	18,483,902	4,013	18,795,920
April	1,515	6,136,592	901	4,763,699	1,143	5,969,935	3,559	16,870,226	3,681	17,162,496
May	1,594	6,403,677	945	4,906,190	1,254	6,477,654	3,793	17,787,520	3,955	18,172,600
June	1,675	6,638,365	1,095	5,732,529	1,202	6,069,313	3,972	18,440,206	4,082	18,759,204
July	1,507	6,002,887	1,034	5,126,281	1,261	6,388,587	3,802	17,517,754	3,905	17,819,040
August	1,691	6,745,253	1,185	6,324,139	1,344	6,773,972	4,220	19,843,364	4,365	20,281,802
September	1,621	6,574,649	1,074	5,615,278	1,323	6,371,677	4,018	18,561,604	4,137	18,933,084
October	1,624	6,440,950	1,161	6,243,654	1,428	7,280,340	4,213	19,964,944	4,346	20,342,222
November	1,557	6,117,174	1,014	5,385,055	1,385	6,861,918	3,956	18,364,146	4,065	18,659,924
December	1,523	5,998,986	1,065	5,410,695	1,380	7,245,345	3,968	18,655,026	4,055	18,869,156
Total 1977	**18,700**	**75,191,080**	**12,119**	**63,499,875**	**15,036**	**77,004,923**	**45,855**	**215,695,873**	**47,308**	**219,574,321**

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv. & Strat.+	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1978	1,392	5,729,470	1,081	5,708,330	1,351	6,867,600	3,824	18,305,400	3,911	18,483,228
February	1,170	4,918,663	862	4,654,818	1,041	5,773,431	3,073	15,346,912	3,181	15,643,434
March	1,452	6,181,667	1,079	6,236,879	1,284	7,003,399	3,815	19,421,944	3,954	19,807,146
April	1,782	7,261,180	1,140	6,378,513	1,312	6,690,956	4,234	20,330,648	4,372	20,675,168
May	1,695	6,776,412	1,181	6,243,819	1,352	7,154,195	4,228	20,174,426	4,425	20,613,958
June	1,759	6,867,070	1,244	6,554,622	1,412	7,106,269	4,415	20,527,960	4,547	20,967,220
July	1,553	6,102,085	1,210	6,216,291	1,414	7,360,271	4,177	19,678,646	4,362	20,066,918
August	1,688	6,727,166	1,355	6,952,389	1,524	7,667,593	4,567	21,347,148	4,730	21,751,432
September	1,586	6,497,421	1,303	6,543,800	1,495	7,765,227	4,384	20,806,448	4,502	21,114,026
October	1,854	7,267,587	1,426	7,501,461	1,571	7,901,477	4,851	22,670,524	4,986	22,982,242
November	1,632	6,322,452	1,282	6,347,638	1,435	7,606,802	4,349	20,276,892	4,459	20,585,130
December	1,502	5,970,166	1,242	6,251,404	1,400	7,277,725	4,144	19,499,294	4,242	19,823,608
Total 1978	**19,065**	**76,621,339**	**14,405**	**75,589,964**	**16,591**	**86,174,945**	**50,061**	**238,386,242**	**51,671**	**242,513,510**
January 1979	1,340	5,694,914	1,334	6,790,673	1,232	6,867,732	3,906	19,353,318	4,003	19,602,848
February	1,150	5,205,455	910	5,053,848	1,002	5,664,665	3,062	15,923,968	3,155	16,158,086
March	1,369	6,082,127	1,104	6,472,606	1,187	6,243,267	3,660	18,798,000	3,752	19,065,568
April	1,378	5,728,120	1,110	6,017,901	1,105	5,836,278	3,593	17,582,298	3,731	17,986,064
May	1,656	6,444,885	1,256	6,850,535	1,242	6,310,682	4,154	19,606,102	4,275	19,936,466
June	1,724	6,754,195	1,335	6,853,941	1,275	6,248,389	4,334	19,856,524	4,458	20,235,092
July	1,850	7,185,844	1,273	6,269,923	1,271	6,203,810	4,394	19,659,576	4,493	19,919,674
August	1,932	7,710,808	1,417	7,256,086	1,506	7,522,332	4,855	22,489,266	4,994	22,794,738
September	1,906	7,317,532	1,295	6,440,784	1,450	7,248,814	4,651	21,007,130	4,770	21,274,772
October	2,283	8,516,443	1,569	8,094,077	1,657	7,995,423	5,509	24,605,942	5,680	24,925,416
November	1,996	7,708,221	1,312	4,914,845	1,538	7,543,266	4,846	22,166,292	4,983	22,486,606
December	2,105	7,794,030	1,251	6,859,667	1,570	7,983,352	4,926	22,637,048	5,068	22,965,414
Total 1979	**20,689**	**82,142,574**	**15,166**	**77,874,886**	**16,035**	**81,668,010**	**51,890**	**243,685,464**	**53,362**	**247,350,744**
January 1980	2,443	9,277,620	1,542	7,760,497	1,570	7,999,204	5,555	25,037,320	5,701	25,376,130
February	2,142	8,399,163	1,233	6,452,415	1,287	6,554,629	4,662	21,406,206	4,765	21,634,392
March	2,325	9,079,150	1,270	7,043,775	1,362	7,068,803	4,957	23,191,728	5,138	23,564,910
April	2,388	9,472,724	1,270	7,130,711	1,438	6,880,381	5,096	23,483,816	5,299	23,943,198
May	2,522	9,691,813	1,297	6,943,612	1,595	8,056,569	5,414	24,691,994	5,650	25,303,364
June	2,765	10,593,643	1,560	8,297,139	1,710	8,235,502	6,035	27,126,284	6,224	27,725,844
July	2,866	10,792,684	1,474	7,861,212	1,774	8,396,496	6,114	27,050,392	6,265	27,389,996
August	2,925	11,102,961	1,532	7,524,087	1,923	8,880,627	6,380	27,507,674	6,587	27,982,078
September	2,884	10,796,285	1,609	8,541,325	1,889	9,041,835	6,382	28,379,444	6,542	28,796,064
October	3,126	11,983,819	1,607	8,284,163	1,926	8,969,872	6,659	29,237,854	6,860	29,679,646
November	2,827	10,727,224	1,397	7,309,102	1,859	8,737,009	6,083	26,773,334	6,234	27,070,168
December	2,907	11,346,627	1,341	7,204,033	1,901	9,008,126	6,149	27,558,786	6,297	27,904,050
Total 1980	**32,120**	**123,263,713**	**17,132**	**90,352,071**	**20,234**	**97,829,053**	**69,486**	**311,444,832**	**71,562**	**316,369,840**
January 1981	3,730	13,581,058	1,968	10,379,941	2,253	10,897,259	7,951	34,858,256	8,221	35,548,304
February	2,946	11,767,569	1,366	7,513,559	1,759	8,599,093	6,071	27,880,220	6,203	28,194,434
March	3,434	13,584,324	1,484	8,218,238	2,047	10,343,518	6,965	32,146,080	7,164	32,712,182
April	3,377	13,515,207	1,537	8,277,987	2,020	9,987,161	6,934	31,780,354	7,103	32,203,550
May	3,547	14,047,404	1,638	8,956,893	2,181	10,564,965	7,366	33,569,260	7,603	34,126,400
June	3,661	14,584,205	1,648	8,602,446	2,251	10,771,159	7,560	33,957,808	7,739	34,478,540
July	3,745	14,944,133	1,604	8,588,688	2,341	11,077,480	7,690	34,610,300	7,886	35,145,440
August	3,795	14,774,394	1,784	9,376,620	2,506	12,352,060	8,085	36,503,072	8,247	36,842,752
September	3,664	14,699,262	1,784	9,182,636	2,369	11,488,685	7,817	35,370,580	8,045	35,833,216
October	3,494	14,345,915	1,804	9,547,958	2,472	12,037,441	7,770	35,931,312	7,965	36,365,740
November	3,408	13,513,870	1,547	8,144,038	2,341	11,406,513	7,296	33,064,420	7,493	33,560,688
December	3,719	15,348,615	1,578	8,990,077	2,432	12,510,082	7,729	36,848,772	7,931	37,299,192
Total 1981	**42,520**	**168,705,956**	**19,742**	**105,779,081**	**26,972**	**132,035,416**	**89,234**	**406,520,434**	**91,600**	**412,310,438**

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv. & Strat.+	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1982	3,836	14,850,807	1,921	11,022,667	2,574	12,964,623	8,331	38,838,096	8,527	39,367,460
February	2,975	12,362,823	1,559	8,797,922	2,014	10,628,722	6,548	31,789,466	6,732	32,306,492
March	3,752	15,798,852	1,668	9,950,291	2,241	11,406,949	7,661	37,156,092	7,834	37,576,452
April	3,460	13,965,826	1,504	9,400,075	2,151	10,248,620	7,115	32,614,520	7,268	32,948,502
May	3,147	12,338,125	1,521	8,886,352	1,920	9,215,460	6,588	30,439,936	6,776	30,912,350
June	2,896	11,265,646	1,503	8,381,250	1,953	9,199,398	6,352	28,846,294	6,525	29,220,096
July	3,000	1,202,581	1,427	8,078,145	2,076	9,337,869	6,503	28,618,594	6,748	29,084,598
August	3,109	11,694,152	1,478	8,336,179	2,126	9,853,307	6,713	29,883,638	6,890	30,293,030
September	2,849	10,357,103	1,413	8,019,111	2,007	9,389,043	6,269	27,765,256	6,500	28,249,738
October	2,899	10,804,655	1,350	7,781,562	2,044	9,397,012	6,293	27,983,228	6,463	28,442,316
November	2,829	10,001,119	1,338	7,476,179	1,936	8,623,826	6,103	26,101,124	6,219	26,447,492
December	2,928	10,538,041	1,469	7,775,491	2,041	9,617,609	6,438	27,931,140	6,610	28,315,564
Total 1982	**37,680**	**135,179,730**	**18,151**	**103,905,224**	**25,083**	**119,882,438**	**80,914**	**367,967,384**	**83,092**	**373,164,090**
January 1983	3,438	11,804,611	1,415	7,780,153	2,124	9,942,734	6,977	29,527,498	7,140	29,934,766
February	2,542	9,642,272	1,085	6,068,174	1,720	7,809,465	5,347	23,519,910	5,466	23,826,676
March	2,869	11,038,054	1,070	6,114,425	1,846	8,516,446	5,785	25,668,924	5,947	26,001,334
April	2,557	9,816,840	873	5,203,033	1,558	7,183,558	4,988	22,203,430	5,110	22,491,802
May	2,644	10,392,880	938	5,491,096	1,728	7,594,098	5,310	23,478,074	5,494	23,943,516
June	2,864	10,396,443	1,035	5,840,156	1,858	7,334,994	5,757	23,571,592	5,928	23,918,708
July	3,045	10,829,793	1,084	5,675,134	1,958	8,132,677	6,087	24,637,604	6,263	25,028,930
August	3,365	11,804,970	1,316	6,600,293	2,076	8,506,452	6,757	26,911,714	6,981	27,490,256
September	3,193	11,701,740	1,244	6,436,488	1,975	8,395,090	6,412	26,533,318	6,584	26,887,858
October	3,271	12,426,341	1,391	6,874,086	2,163	9,543,363	6,825	28,843,790	6,995	29,258,902
November	3,223	12,337,760	1,255	6,151,324	2,115	9,737,619	6,593	28,226,702	6,770	28,665,240
December	2,980	11,327,856	1,308	6,616,692	1,923	9,208,164	6,211	27,152,712	6,355	27,515,366
Total 1983	**35,991**	**133,519,560**	**14,014**	**74,851,054**	**23,044**	**101,904,660**	**73,049**	**310,275,268**	**75,033**	**314,963,354**
January 1984	3,584	14,455,074	1,195	6,620,301	2,299	10,919,242	7,078	31,994,617	7,243	32,419,974
February	3,395	13,447,552	1,128	6,178,456	1,806	8,838,383	6,329	28,464,391	6,487	28,899,298
March	3,391	13,536,794	1,035	6,421,547	1,786	8,899,202	6,212	28,857,543	6,389	29,292,548
April	3,225	12,146,874	860	5,338,143	1,708	8,389,517	5,793	25,874,534	5,993	26,336,419
May	3,681	14,121,889	1,168	6,678,339	1,948	9,449,245	6,797	30,249,473	6,978	30,670,793
June	3,856	14,181,664	1,307	6,951,162	2,330	10,435,686	7,493	31,568,512	7,682	32,043,372
July	3,896	14,566,318	1,248	7,027,901	2,270	10,228,853	7,414	31,823,072	7,600	32,311,990
August	3,857	14,126,213	1,390	7,456,675	2,503	11,195,100	7,750	32,777,988	7,952	33,378,981
September	3,633	13,334,037	1,233	6,527,688	2,072	9,466,166	6,938	29,327,891	7,079	29,699,372
October	3,724	14,701,072	1,348	7,278,731	2,046	9,623,994	7,118	31,603,797	7,350	32,268,256
November	3,701	13,840,332	1,402	7,092,487	2,007	9,767,767	7,110	30,700,586	7,287	31,182,740
December	3,572	13,257,777	1,313	6,859,330	2,089	10,490,937	6,974	30,608,044	7,156	31,078,619
Total 1984	**43,515**	**165,715,596**	**14,627**	**80,430,760**	**24,864**	**117,704,092**	**83,006**	**363,850,448**	**85,196**	**369,582,362**
January 1985	3,294	13,262,638	1,205	6,812,326	1,975	10,333,546	6,474	30,408,510	6,655	31,106,819
February	2,823	11,707,750	1,086	6,206,041	1,515	7,911,197	5,424	25,824,988	5,562	26,278,792
March	3,254	13,215,730	1,098	6,295,669	1,829	8,941,215	6,181	28,452,614	6,392	29,012,235
April	2,967	11,944,785	998	5,823,452	1,741	8,549,876	5,706	26,318,113	5,860	26,749,359
May	2,879	11,752,592	913	5,095,565	1,665	8,214,282	5,457	25,062,439	5,654	25,662,014
June	2,986	11,361,481	1,017	5,444,752	1,666	7,703,734	5,669	24,509,967	5,815	24,971,518
July	3,104	11,338,142	1,088	5,953,691	1,828	8,416,519	6,020	25,708,352	6,182	26,173,868
August	3,311	12,444,636	1,111	5,962,432	1,910	8,888,634	6,332	27,295,702	6,434	27,592,610
September	2,842	10,655,960	1,075	5,586,087	1,712	8,225,312	5,629	24,467,359	5,727	24,727,949
October	3,024	11,716,511	1,194	6,100,389	1,767	8,393,533	5,985	26,210,433	6,083	26,537,867
November	2,590	10,191,902	889	5,062,946	1,533	7,523,888	5,012	22,778,736	5,093	23,075,674
December	2,808	11,266,142	926	5,186,168	1,805	9,114,082	5,539	25,566,392	5,651	25,918,995
Total 1985	**35,882**	**140,858,269**	**12,600**	**69,529,518**	**20,946**	**102,215,818**	**69,428**	**312,603,605**	**71,108**	**317,807,700**

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv. & Strat.+	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1986	3,306	12,209,125	1,040	5,458,860	1,756	8,787,918	6,102	26,455,902	6,202	26,767,641
February	2,339	9,836,838	721	4,189,333	1,[illegible]98	6,454,554	4,258	20,480,725	4,336	20,770,469
March	2,316	9,663,781	721	4,226,094	1,290	6,337,556	4,327	20,227,431	4,389	20,413,787
April	1,703	7,469,116	665	3,946,802	1,033	4,996,367	3,401	16,412,285	3,476	16,656,998
May	1,161	5,089,890	492	2,757,753	896	4,409,432	2,549	12,257,075	2,630	12,573,312
June	988	4,091,362	515	2,771,250	786	3,639,196	2,289	10,501,808	2,335	10,637,948
July	990	4,227,192	579	2,810,336	852	3,987,078	2,421	11,024,606	2,482	11,202,053
August	986	3,982,260	570	2,807,025	871	3,915,098	2,427	10,704,383	2,470	10,837,658
September	1,030	3,942,507	583	2,925,058	769	3,802,273	2,382	10,669,838	2,413	10,761,090
October	1,141	4,214,505	654	3,399,482	830	4,031,587	2,625	11,645,574	2,686	11,828,437
November	1,161	4,247,929	602	3,201,678	8[illegible]1	4,169,145	2,624	11,618,752	2,665	11,752,070
December	1,151	4,729,254	720	3,763,676	[illegible]5	4,828,205	2,836	13,321,135	2,926	13,563,382
Total 1986	**18,272**	**73,703,759**	**7,862**	**42,257,347**	**12,107**	**59,358,409**	**38,241**	**175,319,514**	**39,010**	**177,764,845**
January 1987	1,279	5,212,503	688	3,658,155	892	4,586,769	2,859	13,457,427	2,921	13,596,229
February	1,147	4,727,115	619	3,263,829	715	3,405,989	2,481	11,396,933	2,530	11,573,000
March	1,073	4,591,348	624	3,296,258	760	3,729,766	2,457	11,617,372	2,496	11,737,292
April	1,088	4,706,087	520	2,885,154	824	3,737,908	2,432	11,329,149	2,472	11,449,285
May	1,241	5,076,724	503	2,747,070	812	4,060,196	2,556	11,883,990	2,646	12,214,049
June	1,221	4,815,578	533	2,921,725	846	4,113,521	2,600	11,850,824	2,667	12,029,500
July	1,373	5,213,430	602	3,402,879	960	4,415,961	2,935	13,032,270	3,039	13,298,424
August	1,519	5,776,563	704	3,450,857	1,016	4,955,878	3,239	14,183,298	3,318	14,445,522
September	1,464	6,055,766	694	3,406,718	1,056	5,090,203	3,214	14,552,687	3,277	14,753,991
October	1,574	6,310,442	839	4,458,777	1,165	5,344,170	3,578	16,113,389	3,693	16,512,305
November	1,529	6,176,711	679	3,582,821	963	4,890,814	3,171	14,650,346	3,257	14,868,157
December	1,373	6,011,960	692	3,792,960	1,074	5,619,622	3,139	15,424,542	3,222	15,682,050
Total 1987	**15,881**	**64,674,227**	**7,697**	**40,867,203**	**11,083**	**53,950,797**	**34,661**	**159,492,227**	**35,538**	**162,159,804**
January 1988	1,337	6,097,283	662	3,724,693	898	4,635,361	2,897	14,457,337	2,960	14,663,244
February	1,251	5,484,866	647	3,620,371	757	4,173,863	2,655	13,279,100	2,762	13,561,545
March	1,267	5,518,256	628	3,626,980	792	4,201,317	2,687	13,346,553	2,797	13,649,894
April	1,210	5,305,192	538	3,134,564	818	4,253,575	2,566	12,693,331	2,652	12,984,271
May	1,212	5,001,532	566	3,020,791	865	4,299,983	2,643	12,322,306	2,745	12,639,557
June	1,207	4,927,945	632	3,334,989	861	4,286,587	2,700	12,549,521	2,773	12,812,576
July	1,062	4,556,711	637	3,353,329	852	4,487,012	2,551	12,397,052	2,611	12,574,310
August	1,039	4,028,183	685	3,358,816	879	4,628,035	2,603	12,015,034	2,670	12,245,598
September	956	4,400,130	795	3,991,822	816	4,217,130	2,567	12,609,[illegible]2	2,636	12,867,908
October	973	4,351,713	816	4,020,319	922	4,685,496	2,711	13,057,528	2,786	13,249,774
November	803	3,485,070	774	4,041,534	714	3,853,038	2,291	11,379,642	2,345	11,507,132
December	795	3,568,081	810	4,166,100	762	4,186,235	2,367	11,920,416	2,435	12,174,552
Total 1988	**13,112**	**56,724,962**	**8,190**	**43,394,308**	**9,936**	**51,9[illegible]7,632**	**31,238**	**152,026,902**	**32,172**	**154,930,361**

U.S. Well Completions
As Completed*

	Oil		Gas		Dry		Total excluding Serv. & Strat.+		Total including Serv. & Strat.+	
	Wells	**Footage**	**Wells**	**Footage**	**Wells**	**Footage**	**Wells**	**Footage**	**Wells**	**Footage**
January 1989	816	3,714,239	744	3,870,034	652	3,441,014	2,212	11,025,287	2,271	11,208,341
February	575	2,555,886	619	3,444,278	462	2,532,580	1,656	8,532,744	1,685	8,666,465
March	669	2,918,269	629	3,413,065	604	3,032,935	1,902	9,364,269	1,957	9,582,381
April	858	3,408,099	569	3,081,471	640	3,333,137	2,067	9,822,707	2,111	9,979,528
May	847	3,446,489	591	3,055,704	650	3,160,370	2,088	9,662,563	2,132	9,804,394
June	806	3,478,232	682	3,278,634	673	3,407,497	2,161	10,164,363	2,198	10,282,577
July	827	3,259,432	733	3,652,809	678	3,389,626	2,238	10,301,867	2,292	10,501,975
August	904	3,489,683	792	3,912,875	692	3,540,919	2,388	10,943,477	2,464	11,171,572
September	788	3,452,556	783	3,802,977	705	3,672,394	2,276	10,927,927	2,303	11,043,403
October	869	3,708,819	792	3,968,291	785	3,911,181	2,446	11,588,291	2,494	11,793,096
November	849	3,644,633	745	3,882,621	703	3,703,048	2,297	11,230,302	2,361	11,468,919
December	842	3,725,110	734	4,156,312	703	3,832,207	2,279	11,713,629	2,318	11,851,424
Total 1989	**9,650**	**40,801,447**	**8,413**	**43,519,071**	**7,947**	**40,956,908**	**26,010**	**125,277,426**	**26,586**	**127,354,075**

* Subject to revision as additional wells are reported which were completed in recent years.
+ Service wells and stratigraphic and core tests.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

Exploratory Well Completions
As Completed*

	Oil		Gas		Dry		Total	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1970	83	499,671	53	409,143	637	3,921,104	773	4,829,918
February	79	526,042	43	286,868	422	2,684,362	544	3,497,272
March	47	302,797	42	321,626	410	2,417,662	499	3,042,085
April	59	396,413	44	392,532	452	2,741,229	555	3,530,174
May	61	320,936	36	292,962	489	2,688,562	586	3,302,460
June	47	294,446	30	247,005	469	2,621,280	546	3,162,731
July	64	363,766	38	299,117	521	2,809,952	623	3,472,835
August	60	408,244	41	305,091	531	2,927,457	632	3,640,792
September	74	481,227	32	213,542	526	2,823,158	632	3,517,927
October	56	334,925	36	287,577	548	2,835,228	640	3,457,730
November	56	343,246	37	241,233	538	2,938,746	631	3,523,225
December	77	457,710	46	369,324	652	3,726,299	775	4,553,333
Total 1970	**763**	**4,729,423**	**478**	**3,666,020**	**6,195**	**35,135,039**	**7,436**	**43,530,482**
January 1971	66	440,310	63	492,808	492	3,092,258	621	4,025,376
February	56	330,668	38	286,646	354	1,969,828	448	2,587,142
March	57	338,509	33	309,113	356	2,054,100	446	2,701,722
April	65	343,000	33	247,245	395	2,267,758	493	2,858,003
May	41	239,654	21	172,668	397	2,325,656	459	2,737,978
June	53	238,185	37	260,416	478	2,649,821	568	3,148,422
July	53	283,905	43	307,954	514	2,874,906	610	3,466,765
August	61	347,206	45	292,611	546	3,154,148	652	3,793,965
September	47	271,913	26	213,765	557	3,204,472	630	3,690,150
October	57	313,728	33	223,747	639	3,576,426	729	4,113,901
November	48	285,838	53	384,238	645	3,781,496	746	4,451,572
December	60	352,942	47	421,621	622	3,612,894	729	4,387,457
Total 1971	**664**	**3,785,858**	**472**	**3,612,832**	**5,995**	**34,563,763**	**7,131**	**41,962,453**
January 1972	57	326,134	52	399,490	622	3,711,957	731	4,437,581
February	64	384,841	46	363,266	425	2,691,822	535	3,439,929
March	89	540,838	47	408,186	419	2,466,305	555	3,415,329
April	51	288,451	50	385,170	446	2,643,196	547	3,316,817
May	54	300,765	46	363,416	446	2,642,179	546	3,306,360
June	43	276,801	54	392,119	527	2,967,812	624	3,636,732
July	57	328,603	56	400,228	518	3,079,220	631	3,808,051
August	47	255,348	53	374,362	546	3,076,787	646	3,706,497
September	69	425,296	57	428,501	520	2,885,753	646	3,739,550
October	56	350,763	59	474,026	596	3,427,654	711	4,252,643
November	54	295,561	76	500,362	555	3,263,100	685	4,059,023
December	49	268,723	63	383,188	582	3,508,850	694	4,160,761
Total 1972	**690**	**4,042,124**	**659**	**4,872,314**	**6,202**	**36,364,635**	**7,551**	**45,279,273**
January 1973	58	355,250	61	412,279	548	3,381,086	667	4,148,615
February	54	348,685	61	474,108	414	2,617,604	529	3,440,397
March	54	361,818	69	500,220	438	2,670,634	561	3,532,672
April	28	178,262	82	580,291	374	2,139,906	484	2,898,459
May	51	346,742	97	658,391	461	2,760,504	609	3,765,637
June	64	436,450	86	500,053	484	2,660,924	634	3,597,427
July	47	251,927	114	662,512	535	2,868,605	696	3,783,044
August	73	449,827	93	639,670	605	3,241,404	771	4,330,901
September	55	322,700	105	694,273	510	2,821,714	670	3,838,687
October	51	294,580	111	662,241	564	3,352,705	726	4,309,526
November	64	378,981	97	626,003	506	2,887,120	667	3,892,104
December	55	320,996	103	664,200	599	3,526,669	757	4,511,865
Total 1973	**654**	**4,046,218**	**1,079**	**7,074,241**	**6,038**	**34,928,875**	**7,771**	**46,049,334**

Exploratory Well Completions
As Completed*

	Oil		Gas		Dry		Total	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1974	58	329,071	86	448,708	492	2,778,264	636	3,556,043
February	54	352,055	88	606,327	490	2,987,830	632	3,946,212
March	71	489,481	99	647,245	497	2,929,227	667	4,065,953
April	61	401,184	111	802,247	539	3,160,827	711	4,365,258
May	78	425,592	121	890,776	574	3,103,286	773	4,419,654
June	86	534,833	97	592,646	567	3,151,210	750	4,278,689
July	82	490,565	105	633,366	612	3,439,459	799	4,563,390
August	82	464,537	82	522,223	623	3,499,928	787	4,486,688
September	64	309,143	108	708,691	591	3,305,634	763	4,323,468
October	86	484,298	118	699,518	626	3,455,039	830	4,638,855
November	66	332,361	94	620,898	650	3,594,796	810	4,548,055
December	82	454,662	96	569,201	633	3,456,093	811	4,479,956
Total 1974	**870**	**5,067,782**	**1,205**	**7,741,846**	**6,894**	**38,861,593**	**8,969**	**51,672,221**
January 1975	84	476,907	96	663,208	630	3,620,125	810	4,760,240
February	82	503,256	81	620,765	459	2,804,682	622	3,928,703
March	94	559,648	92	680,560	581	3,539,037	767	4,779,245
April	84	527,922	98	688,611	557	3,209,777	739	4,426,310
May	86	479,277	114	780,447	548	3,256,102	748	4,515,776
June	81	452,616	104	765,916	544	3,001,913	729	4,220,445
July	83	538,226	129	788,245	636	3,558,078	848	4,884,549
August	94	538,109	133	760,821	598	3,221,200	825	4,520,130
September	70	416,535	94	590,347	618	3,200,890	782	4,207,772
October	90	489,888	114	712,774	694	3,754,144	898	4,956,806
November	70	406,480	110	814,777	642	3,554,082	822	4,775,339
December	73	433,254	96	601,732	700	4,035,333	869	5,070,319
Total 1975	**991**	**5,822,118**	**1,261**	**8,468,203**	**7,207**	**40,755,363**	**9,459**	**55,045,634**
January 1976	92	565,815	129	871,075	687	3,978,012	908	5,414,902
February	101	580,670	110	764,206	528	3,046,550	739	4,391,426
March	90	477,993	124	732,300	602	3,410,231	816	4,620,524
April	80	436,587	117	775,578	540	2,939,045	737	4,151,210
May	87	501,969	106	790,558	506	2,673,366	699	3,965,893
June	92	574,899	136	877,140	545	2,821,695	773	4,273,734
July	86	492,484	109	755,861	533	3,087,535	728	4,335,880
August	109	618,467	115	750,282	557	3,096,356	781	4,465,105
September	93	599,520	108	732,957	580	315,825	781	4,490,729
October	78	518,112	109	724,066	604	3,296,398	791	4,538,576
November	104	599,554	111	786,596	576	3,194,672	791	4,580,822
December	88	527,690	87	626,559	598	3,509,140	773	4,663,389
Total 1976	**1,100**	**6,493,760**	**1,361**	**9,187,178**	**6,856**	**35,368,825**	**9,317**	**53,892,190**
January 1977	110	630,914	82	587,441	558	3,285,778	750	4,504,133
February	97	633,189	100	626,492	487	2,860,397	684	4,020,078
March	94	632,027	137	984,711	573	3,278,615	804	4,795,353
April	100	608,176	127	828,979	539	2,968,000	766	4,405,155
May	104	586,560	117	796,119	600	3,375,681	821	4,758,360
June	110	651,665	155	1,079,139	576	3,187,445	841	4,918,249
July	78	411,381	132	799,836	609	3,208,155	819	4,419,372
August	100	633,628	151	953,665	604	3,379,156	855	4,966,449
September	93	570,231	136	827,682	692	3,567,934	921	4,965,847
October	103	625,001	138	900,436	730	4,011,744	971	5,537,181
November	109	592,736	150	974,323	698	3,805,785	957	5,372,844
December	83	495,198	132	845,401	736	4,207,776	951	5,548,375
Total 1977	**1,181**	**7,070,706**	**1,557**	**10,204,224**	**7,402**	**41,136,466**	**10,140**	**58,211,396**

Exploratory Well Completions
As Completed*

	Oil Wells	Oil Footage	Gas Wells	Gas Footage	Dry Wells	Dry Footage	Total Wells	Total Footage
January 1978	81	460,953	144	1,005,373	656	3,696,353	881	5,162,679
February	94	547,028	119	882,573	547	3,313,784	760	4,743,385
March	89	553,887	146	986,336	641	3,908,651	876	5,448,874
April	109	675,110	160	1,087,779	627	3,585,470	896	5,348,359
May	119	725,642	155	985,437	640	3,708,115	914	5,419,194
June	113	662,057	152	1,071,060	660	3,702,243	925	5,435,360
July	98	597,959	144	875,662	700	4,107,589	942	5,581,210
August	96	600,403	152	943,104	683	3,922,128	931	5,465,635
September	97	554,615	143	923,858	698	4,040,009	938	5,518,482
October	103	658,130	189	1,297,631	779	4,330,030	1,071	6,285,791
November	99	564,775	132	799,576	703	4,110,150	934	5,474,501
December	91	497,898	150	922,301	721	4,191,541	962	5,611,740
Total 1978	**1,189**	**7,098,457**	**1,786**	**11,780,690**	**8,055**	**46,616,063**	**11,030**	**65,495,210**
January 1979	84	537,696	130	843,908	573	3,524,833	787	4,906,437
February	86	562,474	119	827,200	479	2,987,910	684	4,377,584
March	114	835,885	164	1,165,430	532	3,187,199	810	5,188,514
April	96	599,692	152	943,969	533	3,117,601	781	4,661,262
May	78	435,366	157	1,048,576	566	3,264,304	801	4,748,246
June	113	646,371	181	1,101,082	604	3,283,596	898	5,031,049
July	122	736,989	151	972,987	614	3,356,686	887	5,066,662
August	103	565,432	157	987,575	716	3,973,835	976	5,526,842
September	129	756,400	158	1,020,405	685	3,823,618	972	5,600,423
October	142	859,187	217	1,504,354	734	4,128,404	1,093	6,491,945
November	131	743,826	163	1,065,488	718	3,905,141	1,012	5,714,455
December	137	712,261	172	1,153,406	725	4,183,577	1,034	6,049,244
Total 1979	**1,335**	**7,991,579**	**1,921**	**12,634,380**	**7,479**	**42,736,704**	**10,735**	**63,362,663**
January 1980	142	747,733	159	1,101,579	718	4,096,912	1,019	5,946,224
February	138	902,093	169	1,183,140	608	3,357,813	915	5,443,046
March	143	760,321	155	1,028,484	619	3,642,390	917	5,431,195
April	139	780,452	172	1,230,724	630	3,563,035	941	5,574,211
May	126	733,061	127	920,068	675	3,945,382	928	5,598,511
June	140	722,266	189	1,130,944	747	4,162,526	1,076	6,015,736
July	135	818,556	185	1,169,267	770	4,192,473	1,090	6,180,296
August	162	924,871	153	949,884	842	4,567,661	1,157	6,442,416
September	167	906,952	206	1,426,319	840	4,567,307	1,213	6,900,578
October	150	893,984	212	1,301,414	838	4,510,157	1,200	6,705,555
November	150	804,102	186	1,173,879	825	4,549,355	1,161	6,527,336
December	185	1,115,158	172	1,094,736	896	4,837,428	1,253	7,047,322
Total 1980	**1,777**	**10,109,549**	**2,085**	**13,710,438**	**9,008**	**49,992,439**	**12,870**	**73,812,426**
January 1981	220	1,199,057	204	1,466,051	1,005	5,549,007	1,429	8,214,155
February	175	1,018,859	183	1,225,822	799	4,463,730	1,157	6,708,411
March	209	1,222,837	192	1,307,170	898	5,315,609	1,299	7,845,616
April	183	1,113,396	214	1,464,146	908	5,034,598	1,305	7,612,140
May	231	1,292,095	224	1,499,791	934	5,451,658	1,389	8,243,544
June	219	1,306,236	208	1,345,173	1,006	5,616,080	1,433	8,267,489
July	245	1,494,502	205	1,372,320	1,053	5,619,529	1,503	8,486,351
August	235	1,403,437	239	1,652,571	1,127	6,213,002	1,601	9,269,010
September	225	1,259,232	241	1,631,294	1,090	6,103,472	1,556	8,993,998
October	239	1,373,425	211	1,355,977	1,161	6,412,575	1,611	9,141,977
November	225	1,270,686	189	1,189,814	1,101	6,148,986	1,515	8,609,486
December	255	1,464,298	212	1,486,325	1,165	6,725,744	1,632	9,676,367
Total 1981	**2,661**	**15,418,060**	**2,522**	**16,996,454**	**12,247**	**68,653,990**	**17,430**	**101,068,544**

Exploratory Well Completions
As Completed*

	Oil		Gas		Dry		Total	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1982	246	1,424,258	216	1,496,925	1,157	6,786,020	1,619	9,707,203
February	186	1,113,532	172	1,239,172	927	5,728,305	1,285	8,081,009
March	266	1,570,613	218	1,562,049	975	5,843,210	1,459	8,975,872
April	229	1,336,078	167	1,162,142	928	4,996,971	1,324	7,495,191
May	182	1,014,619	175	1,288,725	859	4,607,791	1,216	6,911,135
June	216	1,217,133	182	1,261,992	871	4,466,006	1,269	6,945,131
July	179	908,030	186	1,244,549	898	4,625,584	1,263	6,778,163
August	201	1,065,884	172	1,092,585	911	4,669,265	1,284	6,827,734
September	183	926,264	156	1,068,231	865	4,565,248	1,204	6,559,743
October	205	978,259	153	1,096,154	916	4,679,062	1,274	6,753,475
November	176	882,212	153	1,029,493	816	3,925,089	1,145	5,836,794
December	180	918,428	157	954,726	924	4,836,510	1,261	6,709,664
Total 1982	**2,449**	**13,355,310**	**2,107**	**14,496,743**	**11,047**	**59,729,061**	**15,603**	**87,581,114**
January 1983	194	924,914	159	1,051,460	942	4,895,279	1,295	6,871,653
February	169	906,631	146	988,959	702	3,711,093	,017	5,606,683
March	174	933,550	148	890,628	771	4,076,626	1,093	5,900,804
April	177	870,476	133	868,733	640	3,336,040	950	5,075,249
May	159	925,095	150	984,934	772	3,793,506	1,081	5,703,535
June	165	797,001	130	841,296	828	3,539,990	1,123	5,178,287
July	179	821,521	130	725,264	828	3,667,873	1,137	5,214,658
August	183	785,072	135	780,256	874	3,834,733	1,192	5,400,061
September	174	860,222	131	774,003	886	4,023,214	1,191	5,657,439
October	203	1,066,423	137	818,381	917	4,437,286	1,257	6,322,090
November	170	836,899	111	686,553	924	4,467,397	1,205	5,990,849
December	153	758,956	125	758,539	816	4,248,493	1,094	5,765,988
Total 1983	**2,100**	**10,486,760**	**1,635**	**10,169,006**	**9,900**	**48,031,530**	**13,635**	**68,687,296**
January 1984	236	1,193,956	132	787,686	1,011	5,316,992	1,379	7,298,634
February	206	1,163,415	150	889,126	812	4,442,097	1,168	6,494,638
March	217	1,209,627	153	1,035,629	743	4,181,409	1,113	6,426,665
April	156	918,420	99	678,757	755	4,062,923	1,010	5,660,100
May	215	1,169,523	134	841,878	845	4,622,042	1,194	6,633,443
June	201	1,137,164	135	786,190	1,078	5,330,407	1,414	7,253,761
July	191	992,533	153	1,011,495	1,062	5,235,591	1,406	7,239,619
August	187	998,761	124	806,449	1,075	5,537,338	1,386	7,342,548
September	216	1,170,730	129	871,775	908	4,606,902	1,253	6,649,407
October	159	825,650	140	898,937	961	4,859,978	1,260	6,584,565
November	179	988,586	111	666,224	865	4,753,817	1,155	6,408,627
December	157	801,052	105	584,011	949	5,434,722	1,211	6,819,785
Total 1984	**2,320**	**12,569,417**	**1,565**	**9,858,157**	**11,064**	**58,384,218**	**14,949**	**80,811,792**
January 1985	168	1,037,764	146	1,003,940	873	5,087,819	1,187	7,129,523
February	161	1,016,343	120	842,658	691	4,098,819	972	5,957,820
March	175	1,067,616	111	720,714	745	4,145,376	1,031	5,933,706
April	127	710,850	116	805,196	721	4,029,487	964	5,545,533
May	152	898,719	124	782,877	685	3,808,831	961	5,490,427
June	126	666,047	118	843,469	700	3,457,717	944	4,967,233
July	131	757,111	94	593,460	765	3,904,517	990	5,255,088
August	165	985,120	100	665,218	806	4,159,253	1,071	5,809,591
September	114	623,773	78	536,339	743	3,953,482	935	5,113,594
October	142	797,510	86	513,320	779	4,043,650	1,007	5,354,480
November	107	620,505	89	676,036	683	3,716,586	879	5,013,127
December	146	862,999	87	601,883	852	4,764,614	1,085	6,229,496
Total 1985	**1,714**	**10,044,357**	**1,269**	**8,585,110**	**9,043**	**49,170,151**	**12,026**	**67,799,618**

Exploratory Well Completions
As Completed*

	Oil		Gas		Dry		Total	
	Wells	Footage	Wells	Footage	Wells	Footage	Wells	Footage
January 1986	185	1,085,055	110	655,226	754	4,336,284	1,049	6,076,565
February	116	749,919	77	550,885	509	3,224,195	702	4,524,999
March	112	754,445	66	534,670	551	3,158,856	729	4,447,971
April	94	654,605	63	509,008	453	2,512,093	610	3,675,706
May	72	417,634	44	368,414	426	2,349,756	542	3,135,804
June	56	311,861	51	336,310	320	1,729,993	427	2,378,164
July	72	401,791	61	361,096	365	1,852,532	498	2,615,419
August	48	253,581	59	360,941	379	1,964,993	486	2,579,515
September	46	201,639	67	391,151	326	1,793,021	439	2,385,811
October	51	314,487	44	313,083	370	1,980,131	465	2,607,701
November	57	313,038	58	384,186	414	2,119,663	529	2,816,887
December	79	498,479	43	292,771	489	2,705,855	611	3,497,105
Total 1986	**988**	**5,956,534**	**743**	**5,057,741**	**5,356**	**29,727,372**	**7,087**	**40,741,647**
January 1987	87	497,596	65	467,004	440	2,557,211	592	3,521,811
February	59	365,135	55	389,927	333	1,669,489	447	2,424,551
March	59	418,286	54	356,474	372	1,880,656	485	2,655,416
April	62	388,263	49	286,258	360	1,777,934	471	2,452,455
May	69	391,934	52	373,151	375	2,001,001	496	2,766,086
June	70	428,543	50	417,269	373	1,984,162	493	2,829,974
July	85	455,687	52	351,788	408	2,109,667	545	2,917,142
August	75	427,994	72	442,451	448	2,366,735	595	3,237,180
September	87	536,378	55	334,795	495	2,558,757	637	3,429,930
October	77	412,534	74	475,749	533	2,694,802	684	3,583,085
November	90	544,965	58	319,667	473	2,622,456	621	3,487,088
December	72	410,553	55	347,208	512	2,905,296	639	3,663,057
Total 1987	**892**	**5,277,868**	**691**	**4,561,741**	**5,122**	**27,128,166**	**6,705**	**36,967,775**
January 1988	82	444,934	49	354,952	394	2,367,834	525	3,167,720
February	75	492,291	51	395,742	356	2,163,646	482	3,051,679
March	65	387,156	45	323,919	374	2,192,872	484	2,903,947
April	85	563,634	61	410,528	379	1,988,216	525	2,962,378
May	54	343,346	60	465,277	392	2,089,587	506	2,898,210
June	70	426,193	62	431,865	389	2,171,116	521	3,029,174
July	69	396,353	60	401,295	411	2,269,903	540	3,067,551
August	54	287,585	46	260,501	416	2,345,296	516	2,893,382
September	71	444,663	50	325,130	375	2,170,471	496	2,940,264
October	66	422,412	76	475,944	464	2,521,271	606	3,419,627
November	58	330,873	63	408,187	378	2,165,303	499	2,904,363
December	59	356,937	66	404,403	403	2,401,856	528	3,163,196
Total 1988	**808**	**4,896,377**	**689**	**4,657,743**	**4,731**	**26,847,371**	**6,228**	**36,401,491**
January 1989	46	260,231	66	452,122	327	1,791,250	439	2,503,603
February	41	245,486	53	371,801	238	1,379,593	332	1,996 880
March	48	320,461	49	325,353	299	1,537,963	396	2,183,777
April	62	359,997	49	291,545	285	1,544,433	396	2,195,975
May	39	262,074	48	323,046	317	1,627,991	404	2,213,111
June	44	250,093	54	341,044	321	1,659,582	419	2,250,719
July	49	293,847	50	344,803	314	1,839,344	413	2,477,994
August	54	273,057	57	410,135	315	1,823,530	426	2,506,722
September	70	396,563	56	305,117	340	1,922,364	466	2,624,044
October	36	211,753	47	288,915	389	2,124,194	472	2,624,862
November	45	275,734	58	343,051	356	2,061,361	459	2,680,146
December	45	290,008	58	357,285	355	1,915,204	458	2,562,497
Total 1989	**579**	**3,439,304**	**645**	**4,154,217**	**3,856**	**21,226,809**	**5,080**	**28,820,330**

* Subject to change as additional wells are reported which were completed in recent years.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

Well Completions by Depth Interval
As Completed*

	1981	1982	1983	1984	1985	1986	1987	1988	1989
0- 1,249 ft.	9,454	11,996	11,976	12,316	9,945	5,284	4,560	3,540	2,502
1,250- 2,499 ft.	13,301	14,458	13,626	14,449	12,278	6,942	5,928	4,876	4,316
2,500- 3,749 ft.	15,419	15,544	13,266	14,832	11,659	6,169	5,621	5,033	4,126
3,750- 4,999 ft.	12,927	13,192	11,379	13,503	11,315	5,953	5,629	4,868	3,818
5,000- 7,499 ft.	13,092	12,658	11,226	12,998	11,761	6,641	6,607	6,106	4,942
7,500- 9,999 ft.	8,444	7,799	6,576	8,074	7,116	4,028	3,623	3,611	2,932
10,000-12,499 ft.	3,526	3,715	3,007	3,748	3,408	1,972	1,700	1,786	1,312
12,500-14,999 ft.	1,504	1,871	1,220	1,379	1,278	841	681	763	685
15,000-17,499 ft.	603	806	505	520	480	286	231	281	193
17,500-19,999 ft.	201	341	187	141	145	95	77	110	58
20,000 ft. and over	91	137	69	46	43	30	4	9	14
Total U.S.	**78,562**	**82,517**	**73,037**	**82,006**	**69,428**	**38,241**	**34,661**	**30,983**	**24,898**

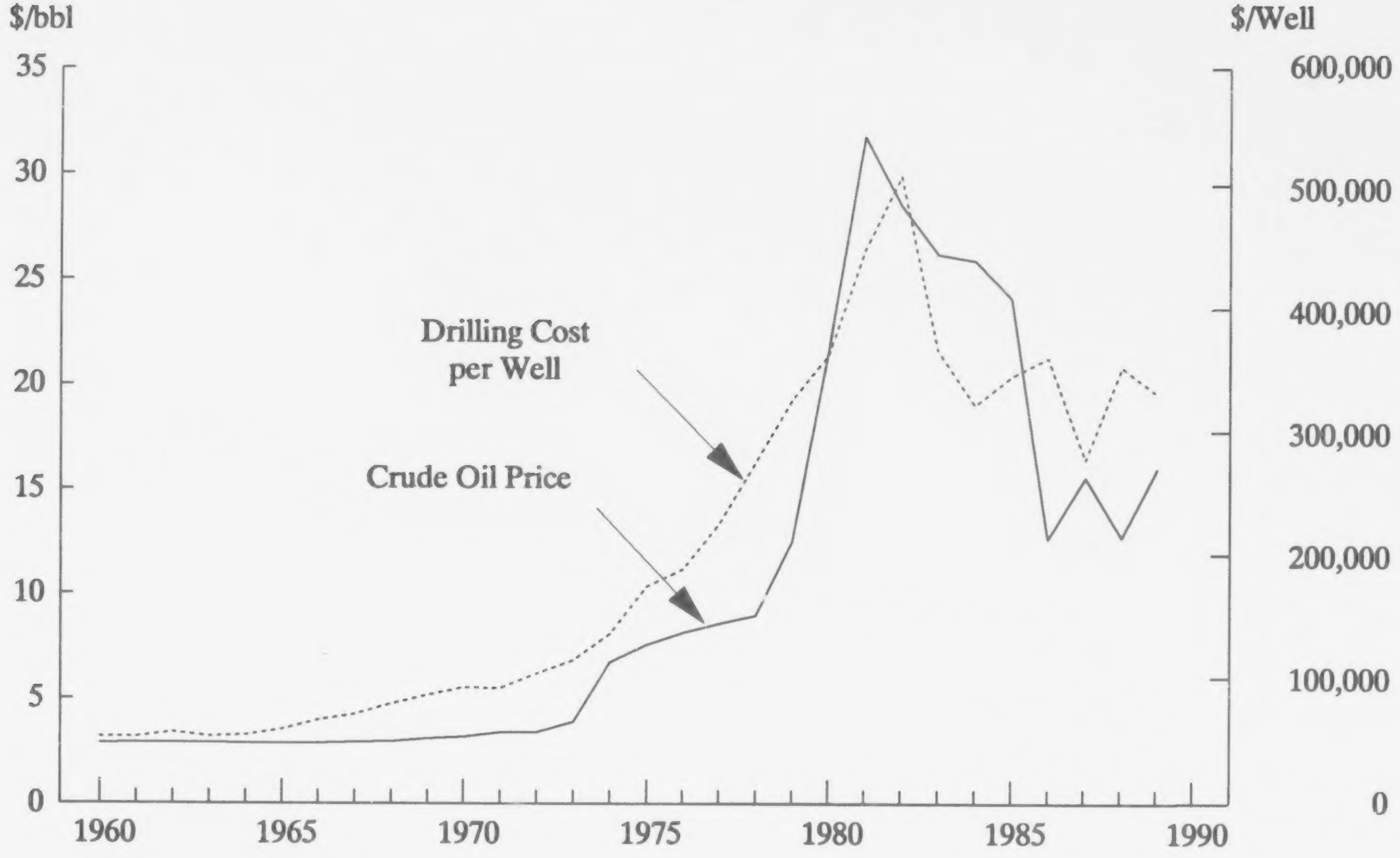
Footage Drilled by Depth Interval
As Completed*
Thousands of feet

	1981	1982	1983	1984	1985	1986	1987	1988	1989
0- 1,249 ft.	7,711.6	9,592.0	9,526.2	10,289.3	8,349.7	4,268.0	3,785.3	2,875.2	2,010.0
1,250- 2,499 ft.	24,767.0	26,290.3	24,481.7	25,348.2	21,663.1	12,211.8	10,529.5	8,705.0	7,775.9
2,500- 3,749 ft.	48,563.3	48,968.6	41,895.2	47,029.8	36,797.5	19,257.1	17,498.5	15,708.4	12,743.1
3,750- 4,999 ft.	55,696.3	56,653.5	48,964.4	58,013.4	48,784.3	25,609.3	24,250.6	20,961.2	16,531.4
5,000- 7,499 ft.	78,492.4	75,991.7	67,187.1	83,406.0	70,836.5	39,981.6	39,978.5	36,693.3	29,490.7
7,500- 9,999 ft.	72,194.0	66,965.6	42,209.0	68,807.5	60,817.5	34,560.9	31,005.4	30,543.1	24,843.0
10,000-12,499 ft.	38,599.3	40,471.8	32,718.9	41,016.1	37,133.6	21,449.2	18,362.6	19,375.1	14,165.5
12,500-14,999 ft.	20,046.6	25,047.1	16,263.3	18,243.3	16,992.9	11,106.6	8,974.6	9,999.2	9,077.1
15,000-17,499 ft.	9,624.1	13,014.6	8,075.7	8,168.9	7,615.4	4,512.1	3,624.5	4,342.7	3,026.4
17,500-19,999 ft.	3,667.9	6,287.4	3,430.8	2,564.0	2,677.6	1,711.1	1,394.7	1,977.7	1,027.1
20,000 ft. and over	2,116.4	3,012.0	1,520.4	964.0	935.4	651.9	88.0	174.0	2.0
Total U.S.	**361,478.8**	**372,294.6**	**296,272.5**	**363,850.4**	**312,603.6**	**175,319.6**	**159,492.2**	**151,354.9**	**120,692.2**

* Data for 1981 are on an as reported basis. Data from 1982-1989 are on an as completed basis and are subject to revision as additional wells are reported.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

Wellhead Price of Crude and Drilling Costs



Source: BOM, API, EIA, JAS
Note: 1989 Drilling Cost, OGJ Estimate

Joint Association Survey on Drilling Costs
Total U.S. Wells

	Number of Wells Surveyed	Total Footage Mil. ft.	Total Cost Mil. $	Average Depth per Well	Average Cost per Well
1959	49,563	205.5	2,651.1	4,146	53,500
1960	44,133	186.4	2,424.4	4,223	54,934
1961	43,988	186.7	2,398.2	4,244	54,518
1962	43,944	193.6	2,576.7	4,405	58,635
1963	41,853	181.5	2,302.9	4,336	55,023
1964	43,486	188.7	2,427.4	4,340	55,820
1965	39,596	178.7	2,407.4	4,513	60,648
1966	34,521	157.9	2,360.7	4,575	68,386
1967	31,538	144.0	2,299.2	4,566	72,902
1968	29,576	143.1	2,409.4	4,839	81,463
1969	29,481	148.7	2,610.7	5,044	88,554
1970	27,177	136.9	2,578.7	5,037	94,885
1971	25,040	124.6	2,371.5	4,978	94,708
1972	26,443	135.5	2,814.2	5,126	106,424
1973	26,244	136.7	3,074.5	5,207	117,152
1974	31,481	150.9	4,367.0	4,795	138,718
1975	36,960	177.6	6,571.2	4,806	177,793
1976	38,941	184.4	7,461.7	4,736	191,615
1977	43,826	212.7	9,956.5	4,853	229,181
1978	46,655	230.6	13,061.1	4,943	279,950
1979	48,523	237.5	16,078.9	4,894	331,367
1980	62,011	296.0	22,800.4	4,773	367,682
1981	80,816	388.8	36,665.5	4,811	453,691
1982	76,652	362.6	39,428.1	4,731	514,378
1983	67,536	301.2	25,104.5	4,460	371,721
1984	77,210	350.6	25,206.2	4,541	326,463
1985	67,821	314.5	23,696.6	4,637	349,399
1986	37,173	176.3	13,552.4	4,742	364,577
1987	33,041	157.4	9,238.7	4,762	279,615
1988	29,741	150.2	10,549.5	5,051	354,713

Joint Association Survey on Drilling Costs
Total U.S. Oil Wells

	Number of Wells Surveyed	Total Footage Mil. ft.	Total Cost Mil. $	Average Depth per Well	Average Cost per Well
1959	25,413	96.9	1,321.4	3,814	51,998
1960	21,294	84.0	1,110.9	3,946	52,160
1961	21,204	82.9	1,086.8	3,911	51,253
1962	21,402	86.5	1,160.5	4,041	54,223
1963	20,678	81.1	1,071.1	3,922	51,801
1964	21,012	81.0	1,063.0	3,854	50,590
1965	18,857	76.6	1,066.8	4,059	56,573
1966	15,856	65.6	985.8	4,134	62,169
1967	14,935	59.9	995.4	4,013	66,647
1968	13,767	58.5	1,089.3	4,246	79,126
1969	12,915	57.9	1,117.1	4,486	86,499
1970	12,547	56.4	1,088.1	4,496	86,718
1971	11,405	48.6	894.5	4,260	78,431
1972	10,753	48.4	1,005.5	4,501	93,506
1973	9,705	44.7	1,007.0	4,602	103,758
1974	13,073	51.8	1,440.3	3,960	110,176
1975	16,276	66.1	2,256.5	4,059	138,640
1976	16,876	68.3	2,549.7	4,044	151,064
1977	18,077	74.7	3,072.8	4,130	169,981
1978	17,790	74.4	3,700.0	4,182	207,983
1979	19,243	80.3	4,678.6	4,170	243,130
1980	28,553	117.1	7,768.4	4,099	272,070
1981	38,725	162.0	13,022.8	4,183	336,289
1982	35,865	144.3	12,458.6	4,024	347,374
1983	33,485	130.8	9,503.8	3,907	283,821
1984	38,976	154.0	10,214.2	3,952	262,065
1985	33,800	136.9	9,141.1	4,050	270,446
1986	18,198	75.8	5,184.1	4,168	284,872
1987	15,326	64.6	3,769.4	4,215	245,950
1988	12,434	55.8	3,474.2	4,486	279,408

Joint Association Survey on Drilling Costs
Total U.S. Gas Wells

	Number of Wells Surveyed	Total Footage Mil. ft.	Total Cost Mil. $	Average Depth per Well	Average Cost per Well
1959	5,049	27.6	508.9	5,464	100,791
1960	5,262	29.1	540.2	5,526	102,656
1961	5,674	30.4	537.4	5,366	94,719
1962	5,858	31.4	568.8	5,366	97,093
1963	4,779	25.7	441.4	5,373	92,368
1964	4,874	27.5	510.6	5,641	104,753
1965	4,772	26.5	486.1	5,552	101,865
1966	4,060	25.0	543.3	6,151	133,806
1967	3,558	21.8	501.7	6,116	140,995
1968	3,324	20.5	493.7	6,177	148,537
1969	3,927	23.7	606.0	6,034	154,318
1970	3,844	23.1	617.6	6,007	160,662
1971	3,679	22.1	612.9	6,013	166,582
1972	5,086	28.9	802.4	5,679	157,764
1973	6,427	36.3	997.9	5,654	155,272
1974	6,695	37.1	1,266.5	5,546	189,177
1975	7,654	43.4	2,005.4	5,667	262,008
1976	8,904	48.4	2,401.4	5,432	270,375
1977	11,479	62.5	3,599.1	5,446	313,538
1978	13,306	72.8	4,978.8	5,472	374,178
1979	14,079	77.3	6,238.1	5,493	443,080
1980	15,225	85.8	8,166.7	5,636	536,402
1981	17,533	100.3	12,248.1	5,718	698,576
1982	17,052	100.8	14,737.7	5,912	864,278
1983	12,919	72.5	7,855.8	5,611	608,078
1984	14,983	82.6	7,338.8	5,516	489,808
1985	13,854	75.7	7,047.1	5,465	508,672
1986	7,351	41.3	3,843.9	5,622	522,906
1987	7,255	39.7	2,759.5	5,469	380,354
1988	7,820	42.5	3,599.5	5,438	460,295

Joint Association Survey on Drilling Costs
Total U.S. Dry Holes

	Number of Wells Surveyed	Total Footage Mil. ft.	Total Cost Mil. $	Average Depth per Well	Average Cost per Well
1959	19,101	81.0	820.8	4,240	42,970
1960	17,577	73.3	773.5	4,168	44,009
1961	17,110	73.3	774.0	4,284	45,235
1962	16,684	75.6	847.4	4,533	50,793
1963	16,396	74.7	790.3	4,556	48,201
1964	17,600	80.3	853.8	4,560	48,512
1965	15,967	75.7	848.5	4,739	53,143
1966	14,605	67.4	831.7	4,614	56,949
1967	13,045	62.3	802.2	4,777	61,491
1968	12,485	64.1	826.3	5,137	66,183
1969	12,639	67.1	887.5	5,307	70,222
1970	10,786	57.4	873.0	5,320	80,942
1971	9,956	53.9	864.1	5,418	86,795
1972	10,604	58.3	1,006.3	5,493	94,899
1973	10,112	55.7	1,069.6	5,504	105,778
1974	11,713	62.1	1,660.1	5,297	141,733
1975	13,030	68.2	2,309.3	5,234	177,229
1976	13,159	67.8	2,504.6	5,152	190,334
1977	14,270	75.5	3,284.6	5,292	230,175
1978	15,559	83.4	4,382.2	5,359	281,653
1979	15,201	79.9	5,162.2	5,256	339,598
1980	18,233	93.1	6,865.2	5,108	376,525
1981	24,558	126.6	11,394.5	5,154	463,934
1982	23,735	117.5	12,231.9	4,951	515,352
1983	21,132	97.9	7,745.0	4,633	366,507
1984	23,251	113.9	7,653.2	4,900	329,155
1985	20,167	101.9	7,508.4	5,053	372,311
1986	11,624	59.1	4,524.4	5,086	389,232
1987	10,460	53.1	2,709.8	5,075	259,068
1988	9,487	51.9	3,475.9	5,472	366,381

Data from Oil & Gas Journal Energy Database.

Source: Joint Association Survey, sponsored by American Petroleum Institute, Independent Petroleum Association of America and Mid-Continent Oil & Gas Association

Average Drilling Cost per Well
Dollars per well

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	276,174	167,703	253,678	250,326	535,758	515,126	588,930	664,152	449,220	539,312
Alaska	1,762,657	1,396,305	1,777,382	1,349,732	2,301,697	2,708,388	3,004,901	3,603,075	4,153,581	3,800,383
Land	1,647,560	1,412,615	1,841,463	1,434,952	2,522,856	2,802,491	3,180,941	3,979,284	4,352,785	3,807,053
Offshore	2,141,670	858,080	1,424,935	1,094,070	1,638,222	2,196,053	2,046,456	2,192,292	2,393,948	3,622,508
Arkansas	62,375	70,353	75,504	91,895	113,666	127,063	123,388	133,005	180,993	190,973
California	73,100	66,545	83,979	91,785	88,965	106,906	139,341	163,540	231,816	256,185
Central Coastal	100,820	106,217	153,404	154,526	179,448	186,010	203,638	188,642	253,702	301,690
East Central	28,293	27,475	38,206	45,659	56,360	74,352	98,126	100,022	167,161	175,671
North	87,355	98,070	120,214	150,633	118,760	147,452	178,445	189,920	222,801	324,383
South	112,292	113,280	126,018	165,826	198,176	131,904	172,931	262,694	350,661	439,058
Offshore	366,784	536,761	287,607	210,520	270,658	384,348	1,646,355	1,556,611	1,358,814	1,418,603
Colorado	52,518	53,281	62,853	77,215	100,737	132,283	131,019	157,133	166,364	205,750
Florida	NA	431,699	521,578	427,353	493,967	619,626	671,660	792,970	1,234,769	1,222,134
Illinois	18,597	17,104	19,494	24,116	40,884	40,236	41,823	52,486	47,002	63,598
Indiana	9,130	9,841	11,432	14,835	20,859	26,507	28,174	36,570	36,770	40,094
Kansas	22,331	21,803	25,498	28,049	37,263	51,374	52,682	58,837	69,354	74,241
Kentucky	13,927	16,672	16,401	26,299	26,525	30,190	31,980	34,637	45,695	40,038
Louisiana	282,715	284,050	318,111	338,880	357,999	488,688	490,823	654,017	821,298	943,827
North	32,099	37,696	40,594	59,134	72,228	95,122	96,384	114,677	131,203	136,756
South	263,695	274,698	317,382	328,004	418,014	502,961	593,510	748,344	1,067,322	1,295,388
Offshore	554,707	594,524	649,632	663,620	834,163	1,086,833	1,269,059	1,569,822	2,109,712	2,377,951
Michigan	47,117	61,053	90,659	129,516	162,877	184,550	170,320	194,383	231,963	245,940
Mississippi	142,089	210,285	207,011	196,112	226,310	268,774	277,180	414,491	547,795	532,683
Montana	56,478	44,929	38,768	37,517	56,985	70,972	108,650	128,764	171,190	208,834
Nebraska	22,176	22,981	24,051	30,658	39,833	46,420	50,254	67,686	64,974	85,569
New Mexico	96,407	88,835	100,424	119,456	170,895	233,860	197,062	229,954	282,041	320,534
East	116,090	102,985	126,008	165,067	216,620	295,676	240,163	292,137	356,223	436,359
West	51,880	61,578	57,170	69,283	90,459	139,735	134,093	158,648	200,297	207,878
North Dakota	79,158	78,899	99,259	129,235	154,468	196,353	270,368	359,740	503,209	701,035
Oklahoma	75,865	79,303	93,601	103,987	134,854	176,957	187,290	210,983	258,837	304,022
Texas	85,113	85,378	87,280	108,272	142,793	172,761	209,230	234,715	288,383	325,590
RRC District 1	40,639	39,544	45,733	50,524	72,366	95,943	164,017	197,599	170,632	130,767
RRC District 2	86,670	78,433	89,072	91,122	121,896	168,222	183,079	217,279	254,103	336,339
RRC District 3	83,850	91,942	99,488	135,626	203,639	261,052	285,412	371,834	437,497	525,354
RRC District 4	104,465	93,278	111,503	122,550	178,919	234,757	303,349	353,692	426,389	521,589
RRC District 5	101,319	113,666	118,461	153,908	147,453	201,139	282,520	420,372	491,707	643,433
RRC District 6	69,912	71,298	82,743	131,826	194,356	199,015	268,208	377,138	535,122	673,418
RRC District 7B	21,440	24,371	21,430	27,733	42,567	55,271	63,229	66,827	79,063	96,375
RRC District 7C	70,617	63,523	74,049	84,608	110,808	159,176	150,430	160,218	189,852	201,041
RRC District 8	155,507	179,351	153,438	183,205	221,678	219,219	242,643	294,609	326,674	326,091
RRC District 8A	65,004	72,036	74,350	79,028	102,769	144,066	160,562	186,469	222,080	216,843
RRC District 9	23,521	20,784	19,690	34,171	42,722	43,034	52,525	60,911	86,909	96,789
RRC District 10	172,959	199,441	169,620	174,689	199,232	291,938	279,236	384,036	413,465	481,026
Offshore	642,380	595,327	646,903	715,532	955,343	1,415,376	1,616,542	1,691,564	2,106,650	2,763,576
Utah	215,090	294,062	513,218	538,835	501,915	696,963	574,552	444,536	560,753	752,944
Wyoming	97,775	93,484	103,527	126,663	218,389	293,217	305,942	374,996	485,849	734,092
*Appalachia	38,392	37,540	41,733	46,510	54,926	65,482	70,113	76,875	91,839	104,355
Gulf of Mexico-North	NA	NA	NA	NA	944,186	2,063,593	3,253,523	2,451,938	2,443,609	4,286,167
Offshore Fed. Waters	NA	NA	NA	NA	NA	NA	NA	NA	4,487,172	5,572,133
Total U.S.	**94,885**	**94,708**	**106,424**	**117,152**	**138,718**	**177,793**	**191,615**	**229,181**	**279,950**	**331,367**

Average Drilling Cost per Well
Dollars per well

	1980	1981	1982	1983	1984	1985	1986	1987	1988
Alabama	639,897	730,667	941,049	723,911	480,986	470,911	610,798	401,001	258,107
Alaska	3,851,403	4,312,574	4,232,782	3,576,143	2,835,914	2,427,333	2,541,682	2,139,181	2,590,863
Land	3,862,089	4,312,574	4,141,942	3,247,861	2,752,538	2,350,075	2,437,424	2,119,539	2,517,775
Offshore	2,333,887	NA	9,985,987	18,348,842	5,003,694	4,689,882	4,498,524	3,029,608	4,418,061
Arkansas	265,114	266,891	336,096	253,238	228,326	241,423	180,626	179,179	204,356
California	310,933	365,183	522,535	469,257	318,396	274,566	213,573	241,374	244,630
Central Coastal	410,177	482,036	823,770	588,276	733,452	673,926	599,174	400,168	339,521
East Central	207,127	217,561	295,333	218,800	176,322	148,169	135,876	114,760	146,151
North	385,222	470,078	543,204	478,407	521,698	465,383	428,480	322,434	330,583
South	477,253	542,982	657,445	543,502	762,972	443,030	362,072	370,713	466,808
Offshore	1,306,270	1,902,653	2,516,362	4,290,788	2,217,539	2,416,495	1,709,680	5,720,303	3,028,113
Colorado	247,715	360,001	382,971	301,335	317,911	331,554	279,931	206,445	209,055
Florida	1,449,830	2,240,424	2,021,155	2,653,856	1,555,188	13,831	1,806,031	1,405,053	1,499,648
Illinois	68,338	93,257	83,741	75,318	82,902	81,531	63,948	57,386	53,756
Indiana	42,467	59,807	56,921	44,017	49,093	66,350	41,423	29,848	28,936
Kansas	88,399	110,584	101,870	85,431	97,338	100,047	77,702	67,843	82,663
Kentucky	43,264	54,750	51,013	43,047	43,407	38,602	57,051	58,621	62,451
Louisiana	1,041,498	1,269,385	1,413,348	1,023,079	756,862	837,355	1,071,765	819,626	1,135,005
North	174,886	204,345	194,277	155,235	111,253	118,234	104,470	137,361	168,446
South	1,748,634	2,071,952	2,498,035	1,478,193	1,140,258	1,257,908	1,326,766	824,819	1,200,871
Offshore	3,040,376	3,786,282	4,084,572	3,200,590	3,011,285	3,243,563	3,115,359	2,357,082	2,762,606
Michigan	243,538	312,350	331,984	253,878	248,387	278,680	329,318	323,557	347,960
Mississippi	769,053	887,979	1,018,762	668,499	492,710	578,368	619,192	421,425	509,564
Montana	301,307	516,964	471,394	349,276	333,849	272,964	251,812	189,958	222,873
Nebraska	109,156	137,186	141,941	130,144	123,279	101,272	157,276	136,213	137,001
New Mexico	398,691	519,337	585,928	464,058	410,716	432,371	384,074	347,375	377,139
East	487,628	659,810	672,675	509,772	436,334	455,518	408,018	346,192	425,727
West	308,074	361,429	400,042	378,832	358,082	398,025	338,327	350,789	285,875
North Dakota	891,304	1,124,919	1,254,430	765,232	616,805	585,944	588,708	490,080	431,992
Oklahoma	326,745	450,544	732,995	447,794	311,341	349,162	306,119	277,910	370,001
Texas	376,527	477,782	494,907	347,074	334,521	343,163	327,090	269,609	330,875
RRC District 1	192,680	265,648	198,224	129,921	117,034	117,008	88,111	99,456	145,291
RRC District 2	460,968	607,558	852,947	502,087	484,103	594,588	450,732	332,146	407,977
RRC District 3	647,407	896,434	933,186	609,423	637,512	610,344	589,418	434,173	481,677
RRC District 4	633,246	916,990	1,105,490	800,707	755,958	717,566	676,411	615,949	657,765
RRC District 5	600,871	750,390	505,546	454,282	532,989	519,434	392,719	369,102	311,838
RRC District 6	665,885	799,209	905,045	604,243	550,411	529,093	372,885	352,873	462,942
RRC District 7B	111,241	140,956	125,177	104,360	96,745	98,865	84,749	78,623	79,324
RRC District 7C	260,010	339,680	337,408	261,433	257,103	286,745	238,594	220,420	240,014
RRC District 8	391,623	548,249	603,246	411,360	381,674	395,262	434,153	320,009	340,211
RRC District 8A	262,129	375,904	358,868	303,979	278,308	283,081	283,917	228,434	247,364
RRC District 9	118,617	151,448	146,860	110,274	127,603	121,831	100,349	77,808	97,394
RRC District 10	435,519	506,768	596,513	400,273	361,749	337,657	368,817	269,866	343,546
Offshore	3,186,593	4,035,114	4,850,671	4,631,861	4,499,762	4,329,026	4,909,699	2,866,116	2,691,431
Utah	941,639	1,255,703	1,332,812	1,292,251	909,564	1,041,085	730,806	502,766	528,375
Wyoming	817,654	923,963	1,132,357	732,314	610,805	561,053	551,747	307,552	436,840
***Appalachia**	111,933	126,849	137,136	127,354	122,416	122,321	120,503	116,663	128,891
Gulf of Mexico-North	4,652,956	7,192,749	4,656,821	6,434,078	7,630,138	7,422,579	7,821,666	4,662,633	4,950,912
Offshore Fed. Waters	6,126,057	7,893,016	6,375,853	8,144,142	8,824,998	8,989,247	7,716,752	4,822,712	4,962,646
Total U.S.	**367,682**	**453,691**	**514,378**	**371,721**	**326,463**	**349,399**	**364,577**	**279,615**	**354,713**

* Appalachia includes New York, Ohio, Pennsylvania, and West Virginia.

Data from Oil & Gas Journal Energy Database.
Source: Joint Association Survey

Average Drilling Cost per Foot
Dollars per foot

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	25.64	21.67	23.82	23.43	52.92	53.02	60.78	78.48	64.59	81.64
Alaska	163.15	131.88	186.60	135.28	228.43	257.11	272.95	342.37	395.50	345.77
Land	156.05	131.31	193.84	143.09	266.41	273.84	291.96	380.07	422.93	346.92
Offshore	184.36	173.00	147.48	111.34	137.76	180.51	176.04	204.35	193.79	316.02
Arkansas	11.72	12.25	13.34	15.99	20.89	25.03	26.00	26.84	36.18	38.52
California	23.83	23.24	24.50	26.05	32.61	39.38	50.71	60.57	70.94	83.26
Central Coastal	21.84	24.59	32.20	31.39	42.79	47.77	53.63	55.56	69.05	84.55
East Central	14.32	14.83	17.31	20.20	29.66	37.88	45.87	47.43	62.49	72.80
North	13.45	15.54	18.96	23.96	19.71	24.51	29.17	32.28	38.65	50.76
South	28.17	27.36	31.32	36.14	46.37	40.57	55.87	68.52	83.89	99.51
Offshore	83.06	88.59	53.57	39.64	55.47	81.92	257.65	290.68	206.82	210.85
Colorado	9.14	8.74	10.96	12.95	16.83	22.83	24.91	29.69	33.07	40.45
Florida	NA	32.11	35.39	32.22	42.66	48.90	54.96	63.61	95.36	97.40
Illinois	7.88	7.70	8.37	9.52	15.70	15.99	16.96	18.12	16.75	23.75
Indiana	6.80	6.91	8.10	9.78	13.77	14.78	16.40	17.12	18.37	21.28
Kansas	7.01	6.96	7.73	8.59	12.20	16.04	16.63	17.87	20.59	22.11
Kentucky	9.32	10.69	10.14	15.51	16.77	19.62	22.01	24.74	31.00	28.24
Louisiana	33.94	34.89	39.20	41.34	49.53	65.13	71.15	90.26	112.17	133.80
North	9.40	22.37	11.23	15.18	18.70	24.93	27.68	30.60	36.21	39.08
South	26.09	26.88	30.10	31.45	42.47	51.45	57.71	70.68	95.62	118.27
Offshore	53.68	56.74	63.00	68.51	87.25	109.42	129.69	160.84	204.59	234.44
Michigan	12.13	15.08	18.82	24.33	31.61	37.26	35.36	39.94	47.96	51.89
Mississippi	15.41	22.80	22.23	21.09	27.10	33.20	33.91	48.34	59.65	60.79
Montana	12.44	12.05	12.33	13.21	19.52	23.77	29.68	34.04	44.28	52.29
Nebraska	4.41	4.75	5.06	5.98	7.65	9.24	10.13	13.58	13.23	19.93
New Mexico	16.78	16.09	17.33	21.02	29.29	38.60	36.93	41.14	49.94	55.42
East	17.56	17.03	18.68	23.72	32.60	41.36	38.77	45.33	56.07	64.10
West	13.70	13.66	13.64	16.20	20.53	31.77	32.87	34.41	41.12	43.42
North Dakota	12.43	12.33	15.44	17.64	21.60	29.[illegible]	37.60	45.84	59.23	78.49
Oklahoma	14.15	14.80	16.71	18.38	25.29	33.[illegible]	35.17	40.53	49.75	59.72
Texas	16.00	15.99	16.60	19.41	27.05	33.4[illegible]	38.85	43.45	51.95	60.12
RRC District 1	10.29	9.76	13.34	13.18	20.16	26.59	33.38	37.89	39.09	39.72
RRC District 2	13.27	12.07	13.81	15.41	20.47	27.42	30.17	35.65	41.45	54.26
RRC District 3	14.01	15.02	15.47	19.77	32.24	39.78	41.29	52.64	59.82	70.28
RRC District 4	16.50	14.67	16.85	18.77	27.80	37.71	45.43	51.58	60.85	72.95
RRC District 5	15.24	17.26	16.89	21.20	25.16	34.02	49.46	60.53	73.36	90.22
RRC District 6	13.06	14.50	14.43	19.41	27.99	31.79	38.14	50.82	65.97	81.22
RRC District 7B	7.50	7.95	7.60	8.79	13.07	16.68	18.56	20.85	23.46	30.02
RRC District 7C	13.02	12.42	12.98	14.25	18.97	26.24	25.94	28.14	33.10	35.30
RRC District 8	23.04	24.00	23.28	27.03	35.00	37.86	40.80	49.25	55.17	57.29
RRC District 8A	11.45	12.21	12.36	14.08	18.65	24.96	26.54	30.33	36.25	36.73
RRC District 9	7.61	7.28	7.34	10.36	13.85	16.28	18.21	19.52	24.59	27.63
RRC District 10	24.33	28.17	24.85	25.84	30.57	40.28	40.98	51.78	56.15	67.73
Offshore	67.59	57.20	65.13	81.18	117.75	158.82	176.19	183.77	230.16	295.66
Utah	32.42	42.18	56.92	60.69	59.67	84.38	81.29	71.46	87.47	124.10
Wyoming	13.93	14.68	15.08	18.83	31.66	40.86	42.70	50.42	70.95	95.52
Appalachia *	11.82	12.15	12.66	13.67	17.42	20.64	21.91	23.30	27.37	31.37
Gulf of Mexico-North	NA	NA	NA	NA	114.11	191.53	339.44	228.38	262.78	460.93
Offshore Fed. Waters	NA	NA	NA	NA	NA	NA	NA	NA	432.50	516.37
Total U.S.	**18.84**	**19.03**	**20.76**	**22.50**	**28.93**	**36.99**	**40.46**	**47.22**	**56.64**	**67.71**

Average Drilling Cost per Foot
Dollars per foot

	1980	1981	1982	1983	1984	1985	1986	1987	1988
Alabama	100.87	125.80	150.66	127.65	94.76	89.05	109.29	64.87	56.23
Alaska	369.51	419.63	422.90	364.21	325.18	273.19	262.71	214.28	245.53
Land	370.86	419.63	414.40	332.81	317.81	267.75	253.00	211.81	239.17
Offshore	198.58	NA	913.71	1,461.71	486.60	388.65	430.89	339.57	395.27
Arkansas	50.37	54.76	68.06	54.02	47.43	58.60	44.86	41.33	48.10
California	97.11	123.71	148.91	149.21	122.22	109.08	87.93	99.70	91.57
Central Coastal	104.96	124.82	163.67	110.43	167.72	156.29	130.03	86.06	89.84
East Central	86.70	98.94	111.36	96.81	90.56	81.41	72.47	62.95	77.27
North	58.70	72.58	83.79	69.85	78.52	68.65	66.01	49.37	50.44
South	117.46	149.42	147.38	137.94	172.35	117.20	109.85	100.52	153.40
Offshore	216.84	329.01	396.59	597.60	341.21	389.82	248.86	723.08	326.79
Colorado	46.93	63.30	67.70	49.59	53.47	54.32	45.16	33.63	37.61
Florida	114.02	177.45	151.14	201.02	114.95	127.37	122.98	105.83	114.03
Illinois	25.53	33.43	31.18	31.74	32.47	33.70	29.50	25.62	26.88
Indiana	22.02	31.31	29.37	23.23	26.16	34.61	25.81	19.27	19.71
Kansas	26.01	31.24	31.44	27.37	26.56	27.42	24.15	21.57	25.82
Kentucky	30.73	36.16	34.77	30.81	30.63	27.53	36.41	31.26	34.06
Louisiana	158.67	189.69	212.73	160.53	139.57	146.93	158.19	116.09	143.83
North	50.05	56.64	54.53	45.94	40.59	41.82	31.77	33.88	38.09
South	158.28	181.89	220.48	140.59	112.01	124.16	126.47	90.60	116.71
Offshore	292.68	364.70	386.32	308.55	296.33	311.28	299.73	223.57	252.55
Michigan	53.43	70.80	73.29	56.22	51.78	58.71	65.93	67.27	88.86
Mississippi	85.08	100.05	113.25	80.87	58.91	67.39	69.15	51.04	58.08
Montana	69.78	98.36	96.54	74.98	67.86	55.56	64.58	43.64	54.17
Nebraska	22.84	28.22	31.11	26.56	25.36	20.37	29.05	24.51	25.61
New Mexico	68.18	90.40	101.49	78.67	66.16	69.07	60.57	56.01	63.29
East	78.28	107.64	110.98	83.41	68.58	69.05	61.46	53.36	60.42
West	56.42	68.03	77.60	68.85	60.78	69.10	58.63	65.26	72.98
North Dakota	95.33	118.78	125.41	84.49	69.81	65.16	63.99	53.50	52.33
Oklahoma	68.44	90.56	133.47	90.87	63.17	67.98	57.68	51.33	63.73
Texas	70.41	88.99	96.04	71.61	66.96	67.33	65.27	51.40	58.87
RRC District 1	54.93	71.41	64.65	48.59	46.33	44.39	36.71	31.05	39.68
RRC District 2	70.73	90.55	117.40	75.97	74.07	86.47	68.29	53.29	63.00
RRC District 3	80.99	107.06	113.48	80.98	82.34	79.59	78.93	61.95	65.11
RRC District 4	87.67	122.28	139.11	103.64	95.87	94.08	88.14	77.87	82.32
RRC District 5	100.15	124.53	120.48	103.58	88.80	83.[illegible]	65.42	58.40	53.19
RRC District 6	84.74	102.79	114.11	86.33	77.57	75.81	57.69	53.68	64.14
RRC District 7B	34.12	41.52	40.48	33.99	31.87	31.61	28.40	24.68	24.47
RRC District 7C	45.87	61.03	61.27	48.16	45.68	50.36	42.94	40.59	40.87
RRC District 8	67.64	91.25	102.40	73.77	65.40	64.46	67.85	51.23	53.99
RRC District 8A	45.48	64.38	61.06	50.58	46.73	45.51	44.48	37.52	40.00
RRC District 9	35.59	44.24	43.40	34.35	35.57	35.32	30.23	23.78	27.41
RRC District 10	68.16	85.43	101.66	72.21	64.73	60.31	57.15	44.10	53.63
Offshore	335.47	413.86	501.21	447.91	407.51	397.34	433.68	276.20	259.75
Utah	157.49	183.88	201.51	211.64	133.21	140.29	101.25	83.70	90.23
Wyoming	104.13	128.27	154.71	107.55	84.54	76.93	74.56	46.17	60.63
Appalachia *	33.45	38.10	39.91	35.86	35.19	34.75	31.95	29.52	31.15
Gulf of Mexico-North	421.58	621.78	415.23	587.16	652.65	653.34	661.56	440.41	446.68
Offshore Fed. Waters	528.79	664.51	565.44	807.23	803.08	811.45	682.42	457.69	449.03
Total U.S.	**77.03**	**94.30**	**108.73**	**83.35**	**71.89**	**75.35**	**76.88**	**58.72**	**70.23**

* Appalachia includes New York, Ohio, Pennsylvania, and West Virginia.

Data from Oil & Gas Journal Energy Database.
Source: Joint Association Survey

Indexed Cost of Drilling and Equipping a Well
1984 = 100

	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Payments to Drilling Contractors	22.5	23.5	24.0	26.3	28.5	29.8	30.9	34.8	37.9	49.3	56.6	64.6	77.4
Road and Site Preparation	27.4	28.1	30.2	31.5	33.3	35.3	37.9	40.5	43.0	46.1	51.1	55.0	59.3
Transportation	33.3	34.1	36.5	42.4	42.8	44.6	47.5	48.8	50.2	55.8	60.7	64.5	69.0
Fuel	11.5	12.0	12.8	12.2	12.3	13.3	13.7	13.9	15.8	27.7	33.7	38.4	44.6
Drilling Mud and Additives	28.7	28.9	30.6	31.9	33.1	36.1	39.0	39.1	43.8	51.9	66.3	74.5	78.5
Site Log and Monitoring Systems	26.4	27.7	27.9	28.8	31.7	28.9	29.2	29.2	29.2	33.3	39.2	42.2	45.4
Other Physical Tests	26.1	27.2	28.4	29.8	32.0	33.9	36.7	36.7	38.2	43.3	52.0	58.6	64.3
Logs and Wireline Evaluation	19.6	20.4	22.2	23.6	25.1	27.0	29.4	29.4	30.4	33.9	40.0	46.8	51.8
Directional Drilling Services	31.4	31.4	31.4	31.4	31.9	32.7	35.6	36.4	37.8	43.1	46.0	50.2	54.5
Perforate	25.5	25.6	27.7	28.0	29.6	32.4	33.6	33.7	33.7	37.5	44.3	49.1	53.6
Formation Treating	36.7	39.6	41.1	42.6	44.6	45.8	48.8	49.0	50.5	54.0	68.4	74.2	77.8
Cement and Cementing Services	29.3	30.9	32.6	34.7	36.2	38.7	43.2	43.9	45.9	49.9	62.2	66.7	68.4
Casing and Tubing	20.5	20.5	22.6	24.6	24.7	26.0	30.9	35.0	35.0	47.2	52.7	57.1	62.9
Casing Hardware	20.5	20.5	22.6	24.6	24.7	26.0	30.9	35.0	34.9	47.2	52.7	57.1	62.9
Special Tool Rental	32.1	32.4	33.2	34.3	35.7	39.1	40.1	40.1	40.7	45.3	52.1	57.6	63.1
Drill Bits and Reamers	22.3	22.5	23.4	25.7	27.8	29.9	30.3	32.1	32.8	37.4	46.5	50.3	55.4
Wellhead Equipment	17.2	17.9	18.5	19.9	20.9	24.9	25.3	25.7	27.2	31.8	38.3	45.0	52.6
Other Equipment and Supplies	22.4	22.8	23.5	25.0	26.5	27.8	28.8	30.0	31.4	37.2	46.3	51.3	55.7
Plugging	24.9	26.3	27.9	29.8	32.1	35.4	39.8	42.6	44.4	47.7	54.8	58.1	61.0
Supervision and Overhead	25.7	26.9	28.5	30.1	32.1	33.4	35.1	37.1	39.6	45.1	50.0	53.8	58.3
All Other Expenditures	29.9	30.5	31.0	31.7	32.8	34.2	35.4	36.4	39.1	47.7	53.2	56.5	60.5
Composite Cost per Foot	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Composite Cost per Well	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Indexed Cost of Drilling and Equipping a Well
1984 = 100

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Payments to Drilling Contractors	86.1	111.5	128.5	157.0	163.6	114.3	100.0	101.0	85.9	64.4	77.3	73.5
Road and Site Preparation	64.8	71.8	80.4	86.5	90.9	96.7	100.0	101.7	103.6	106.2	108.5	110.1
Transportation	72.1	79.8	90.4	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fuel	46.0	62.9	93.9	114.3	111.6	101.8	100.0	95.3	58.4	65.4	58.8	68.8
Drilling Mud and Additives	93.1	102.8	120.4	136.6	141.0	107.5	100.0	100.6	100.6	100.6	100.6	100.6
Site Log and Monitoring Systems	51.5	60.4	72.4	97.4	100.0	100.0	100.0	100.0	100.0	87.4	88.9	104.6
Other Physical Tests	70.8	81.1	91.4	94.9	100.0	100.0	100.0	100.0	100.0	133.2	138.8	164.1
Logs and Wireline Evaluation	64.0	75.0	82.3	95.8	100.1	95.6	100.0	89.9	67.4	73.0	79.5	75.7
Directional Drilling Services	61.0	69.9	79.9	84.0	101.6	101.6	100.0	98.8	98.8	98.8	104.0	115.4
Perforate	58.1	65.0	78.2	91.5	100.1	100.0	100.0	100.0	100.0	100.0	151.7	182.3
Formation Treating	83.3	90.4	109.2	128.0	126.1	105.9	100.0	94.0	89.3	94.0	95.4	101.2
Cement and Cementing Services	76.0	82.3	96.1	112.0	118.8	107.4	100.0	92.7	86.5	90.8	97.5	102.3
Casing and Tubing	69.8	73.9	84.8	109.6	121.5	105.2	100.0	98.8	92.0	98.8	120.0	129.9
Casing Hardware	69.8	73.9	84.8	109.6	121.5	105.2	100.0	98.8	92.0	98.8	120.0	129.9
Special Tool Rental	69.4	76.9	83.2	93.4	100.5	103.3	100.0	100.0	100.0	100.9	102.0	102.0
Drill Bits and Reamers	62.0	68.2	77.8	89.0	98.3	99.9	100.0	100.4	98.8	101.2	116.5	118.8
Wellhead Equipment	58.9	68.1	82.9	100.2	102.1	107.2	100.0	103.8	103.9	101.8	105.5	106.6
Other Equipment and Supplies	61.6	68.2	79.1	94.4	103.5	100.9	100.0	100.8	99.1	99.8	103.6	106.0
Plugging	67.0	72.1	79.8	91.8	98.3	98.5	100.0	98.1	97.4	100.4	99.6	103.5
Supervision and Overhead	65.7	72.4	80.3	89.1	96.2	100.3	100.0	103.3	108.1	106.5	109.3	115.2
All Other Expenditures	65.0	73.3	85.2	94.3	96.8	97.9	100.0	100.4	96.8	99.3	102.9	105.3
Composite Cost per Foot	78.2	91.9	103.0	120.3	131.7	108.5	100.0	101.6	102.6	92.2	111.3	107.3
Composite Cost per Well	82.7	96.4	106.3	124.8	135.1	107.2	100.0	103.1	106.0	95.7	121.2	114.6

Data from Oil & Gas Journal Energy Database.
Source: Independent Petroleum Association of America

Total Non-Communist Active Drilling Rig Count
Outside U.S. and Canada
Land, Offshore, Total

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Land	1,016	1,039	1,063	1,041	1,036	1,024	1,043	1,045	1,063	1,064	1,074	1,088	**1,049.7**
Offshore	334	347	350	349	351	351	336	348	362	360	358	362	**350.7**
Total	1,350	1,386	1,413	1,390	1,387	1,375	1,379	1,393	1,425	1,424	1,432	1,450	**1,400.3**
1982													
Land	1,093	1,089	1.076	1,081	1,098	1,076	1,080	1,076	1,058	1,081	1,080	1,060	**1,079.0**
Offshore	379	385	403	391	399	410	405	395	404	401	408	399	**398.3**
Total	1,472	1,474	1,479	1,472	1,497	1,486	1,485	1,471	1,462	1,482	1,488	1,459	**1,477.3**
1983													
Land	1,026	1,019	974	940	941	939	942	925	910	887	860	852	**934.6**
Offshore	399	371	358	349	342	358	349	341	338	335	347	351	**353.2**
Total	1,425	1,390	1,332	1,289	1,283	1,297	1,291	1,266	1,248	1,222	1,207	1,203	**1,287.8**
1984													
Land	855	890	877	865	883	877	871	904	917	918	918	928	**891.9**
Offshore	338	337	336	349	354	342	353	347	346	348	348	357	**346.3**
Total	1,193	1,227	1,213	1,214	1,219	1,219	1,224	1,251	1,263	1,266	1,266	1,285	**1,236.7**
1985													
Land	926	924	916	914	937	941	946	936	942	950	950	951	**936.1**
Offshore	357	346	359	357	357	368	356	353	351	344	353	337	**353.2**
Total	1,283	1,270	1,275	1,271	1,294	1,309	1,302	1,289	1,293	1,294	1,303	1,288	**1,289.3**
1986													
Land	927	910	894	879	847	813	748	735	738	735	700	690	**801.3**
Offshore	333	327	313	301	274	272	271	259	234	248	252	250	**277.8**
Total	1,260	1,237	1,207	1,180	1,121	1,085	1,019	994	972	983	952	940	**1,079.2**
1987													
Land	695	712	716	725	716	727	743	738	750	743	758	775	**733.2**
Offshore	255	245	233	243	245	242	222	243	237	255	276	276	**247.7**
Total	950	957	949	968	961	969	965	981	987	998	1,034	1,051	**980.8**
1988													
Land	760	760	759	756	739	737	737	740	746	758	740	762	**749.5**
Offshore	257	265	278	277	286	290	295	289	288	271	273	264	**277.8**
Total	1,017	1,025	1,037	1,033	1,025	1,027	1,032	1,029	1,034	1,029	1,013	1,026	**1,027.3**
1989													
Land	722	733	727	675	674	641	637	633	659	657	655	644	**671.4**
Offshore	369	275	256	251	244	248	260	244	232	241	240	256	**259.7**
Total	991	1,008	983	926	918	889	897	877	891	898	904	900	**923.5**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

International Active Drilling Rigs

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
North America													
Canada	218	272	339	401	264	199	201	259	311	178	181	196	130
U.S.	2,001	2,255	2,176	2,910	3,969	3,117	2,229	2,429	1,976	970	936	936	870
Total	**2,219**	**2,527**	**2,515**	**3,311**	**4,233**	**3,316**	**2,430**	**2,688**	**2,287**	**1,148**	**1,117**	**1,132**	**1,000**
Latin America													
Argentina	68	72	63	76	70	67	73	82	81	47	61	63	55
Barbados*	0	0	0	0	1	1	1	1	1	1	0	NA	NA
Bolivia	6	6	6	4	11	11	8	6	5	4	6	5	6
Brazil	45	52	60	72	81	94	83	70	76	77	60	39	28
Chile	5	5	6	7	7	7	6	6	6	6	7	5	5
Colombia	11	11	15	14	22	23	18	16	21	17	4	19	15
Costa Rica	0	0	0	0	0	0	1	1	0	0	1	0	0
Ecuador	1	1	3	3	4	6	5	4	2	3	3	6	5
Guatemala*	3	1	1	4	6	5	2	1	0	0	1	NA	NA
Mexico	148	167	205	215	218	202	187	196	196	163	143	155	103
Paraguay*	1	1	0	0	0	1	0	0	0	0	0	NA	NA
Peru	13	16	20	21	24	23	16	17	12	13	15	11	10
Trinidad	15	17	14	13	14	13	10	9	10	11	9	7	6
Uruguay*	0	0	0	0	0	0	0	0	0	0	0	NA	NA
Venezuela	20	33	47	52	63	69	41	30	33	29	18	25	28
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	0
Total	**336**	**382**	**440**	**481**	**521**	**522**	**451**	**439**	**443**	**371**	**338**	**335**	**261**
Europe													
Austria	10	9	10	8	9	9	9	7	7	6	4	4	2
Belgium*	0	0	0	1	0	0	0	0	0	0	0	NA	NA
Denmark	0	0	0	3	2	2	5	3	4	3	3	2	2
France	7	8	11	13	21	22	17	20	22	15	8	8	7
Germany	21	22	21	22	26	31	25	19	20	19	12	9	8
Greece	0	2	2	3	6	5	3	4	1	0	2	2	1
Holland	18	14	17	17	17	21	17	18	24	15	10	14	12
Ireland*	2	3	2	1	0	0	1	2	2	1	1	NA	NA
Italy	12	18	21	19	32	38	26	26	40	33	26	24	22
Norway	5	5	7	11	12	13	10	10	13	12	12	15	12
Portugal*	0	0	0	0	1	1	1	0	0	0	0	NA	NA
Spain	6	6	5	10	11	12	8	9	10	7	2	2	3
Switzerland*	0	0	0	1	1	1	0	0	0	0	0	NA	NA
United Kingdom	36	34	34	48	58	58	42	60	63	43	44	57	46
Yugoslavia	24	23	22	22	22	24	21	25	27	30	31	31	32
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	0
Total	**141**	**144**	**152**	**179**	**218**	**237**	**185**	**203**	**233**	**184**	**155**	**169**	**147**
Far East													
Bangladesh	2	3	2	3	5	5	2	4	5	5	5	2	5
Brunei	7	8	8	8	7	10	10	9	7	5	3	4	4
Burma	17	18	22	26	30	32	36	33	33	33	29	26	23
China-offshore	0	0	8	12	9	10	10	9	14	7	4	8	4
India	43	40	40	43	44	50	56	57	62	70	116	131	135
Indonesia	46	62	66	77	86	92	88	82	80	62	37	44	46
Japan	14	13	15	16	16	22	20	18	16	15	10	11	6
Korea South*	1	1	0	0	0	0	0	0	0	0	0	NA	NA
Malaysia	8	11	13	12	12	13	10	9	8	8	8	9	12
North Korea*	0	0	1	1	0	0	0	0	0	0	0	NA	NA
Pakistan	5	8	13	14	15	17	17	17	18	17	14	13	13
Philippines	6	6	15	12	13	14	8	3	2	1	2	4	7
Taiwan	11	9	10	12	11	4	5	6	7	7	4	4	5
Thailand	1	2	2	5	7	8	13	11	9	4	6	6	6
Viet Nam*	0	0	2	1	0	0	0	0	0	0	0	NA	NA
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	1
Total	**161**	**181**	**217**	**242**	**255**	**277**	**275**	**258**	**261**	**234**	**238**	**263**	**286**

International Active Drilling Rigs

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Africa													
Algeria	108	101	109	111	91	81	54	27	35	41	40	32	24
Angola	1	2	6	5	5	11	12	7	11	7	10	10	8
Benin*	0	0	0	0	0	0	0	1	1	0	0	NA	NA
Cameroon*	2	2	4	6	7	7	5	4	2	1	0	NA	NA
Chad*	1	1	1	1	1	1	0	0	1	1	0	NA	NA
Congo	2	1	1	4	7	6	4	3	3	2	3	2	1
Gabon	6	4	6	8	13	12	7	6	7	3	3	5	6
Ghana*	1	1	0	0	0	0	0	0	0	0	0	NA	NA
Ivory Coast*	1	2	3	3	5	5	2	2	1	0	0	NA	NA
Kenya	0	0	0	0	0	0	0	0	0	0	1	1	3
Kole*	0	1	0	0	0	0	0	0	0	0	0	NA	NA
Liberia*	0	0	0	0	0	0	0	0	1	0	0	NA	NA
Libya	23	28	33	41	33	31	24	26	30	20	12	16	17
Madagascar*	0	0	0	0	0	0	0	0	1	1	0	NA	NA
Morocco*	4	4	3	2	5	5	6	4	3	3	2	NA	NA
Niger*	3	4	5	5	5	3	0	0	0	0	0	NA	NA
Nigeria	16	16	18	20	23	27	17	11	10	10	11	13	14
Senegal*	0	0	0	0	0	0	0	0	0	0	0	NA	NA
Sierra Leone*	0	0	0	0	0	0	0	0	0	0	0	NA	NA
Somalia*	0	0	0	0	0	0	0	0	2	0	0	NA	NA
South Africa	2	2	2	2	2	2	2	2	3	3	3	4	3
Sudan*	0	1	2	2	3	2	4	2	1	1	0	NA	NA
Tanzania*	0	0	0	0	0	0	0	1	0	0	0	NA	NA
Tunisia	4	6	7	8	11	11	7	6	4	3	4	3	3
Zaire*	1	0	1	1	2	2	2	2	2	1	1	NA	NA
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	4
Total	**175**	**176**	**201**	**219**	**213**	**206**	**146**	**104**	**118**	**97**	**90**	**91**	**83**
Middle East													
Abu Dhabi	15	16	20	23	31	41	35	29	21	15	9	7	6
Bahrain*	0	2	1	1	1	1	1	0	1	1	1	NA	NA
Dubai	4	2	1	3	2	3	7	7	5	3	2	3	3
Egypt	20	16	21	26	27	36	35	36	37	33	23	21	18
Iran	56	53	8	0	0	3	13	20	20	18	18	18	20
Iraq	27	29	32	39	14	11	23	19	28	21	10	23	26
Jordan	0	0	0	0	0	0	0	3	2	2	2	2	3
Kuwait	1	2	2	3	3	4	5	5	6	6	6	6	4
North Yemen	0	0	0	0	0	0	0	0	1	4	4	3	2
Oman	6	6	7	8	10	12	11	12	13	13	10	9	13
Qatar	6	6	6	8	7	5	3	2	3	1	1	3	3
Ras al Khaymah*	2	1	0	1	1	2	1	0	0	0	0	NA	NA
Saudi Arabia	21	22	22	25	29	29	26	16	11	6	5	4	5
Sharjah*	2	1	0	1	2	3	1	0	0	0	0	NA	NA
South Yemen*	0	0	0	0	0	0	0	0	2	1	0	NA	NA
Syria	18	17	15	15	16	15	15	23	26	27	22	24	24
Turkey	16	17	9	24	26	34	26	24	25	27	26	21	20
Umm al Qawain*	1	1	0	0	1	1	1	0	0	0	0	NA	NA
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	1
Total	**195**	**191**	**144**	**177**	**170**	**200**	**203**	**196**	**201**	**178**	**139**	**144**	**148**
South Pacific													
Australia	7	10	11	15	23	33	25	34	31	15	16	19	14
New Zealand	1	2	2	2	3	1	2	2	4	4	3	2	2
Papua, New Guinea	0	0	0	1	0	0	1	1	2	1	2	3	3
Total	**8**	**12**	**13**	**18**	**26**	**34**	**28**	**37**	**37**	**20**	**21**	**24**	**19**
Total Non-Communist	**3,235**	**3,613**	**3,682**	**4,627**	**5,636**	**4,792**	**3,718**	**3,925**	**3,580**	**2,232**	**2,098**	**2,158**	**1,944**

*Beginning in 1988, countries listed in Other

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Active Rigs in Canada

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	184.6	195.0	186.4	86.1	71.1	100.2	116.8	114.2	122.6	134.1	130.2	169.1	**134.2**
1971	188.3	180.3	181.2	61.6	61.4	112.5	90.5	98.6	109.5	109.3	119.8	167.0	**123.3**
1972	211.0	214.5	221.2	100.2	82.4	127.5	135.2	132.0	136.0	149.8	166.5	201.8	**156.5**
1973	232.2	268.8	262.8	108.0	100.0	151.3	163.6	169.6	175.3	172.8	160.3	180.8	**178.8**
1974	213.2	242.8	258.7	117.4	60.5	113.0	145.8	139.7	127.6	137.5	142.2	153.4	**154.3**
1975	162.2	181.0	191.8	71.5	45.0	111.0	131.8	131.7	118.4	145.7	153.0	170.0	**134.4**
1976	212.5	229.8	224.6	68.5	103.2	152.0	156.5	190.6	186.2	195.0	194.0	223.0	**178.0**
1977	245.6	277.5	260.5	129.0	128.8	183.5	210.0	236.8	210.2	221.8	252.0	259.5	**217.9**
1978	245.8	286.0	290.8	164.0	151.0	244.5	285.8	311.0	295.5	315.4	338.0	333.3	**271.8**
1979	304.0	366.2	341.5	219.8	199.2	319.3	352.0	376.2	395.5	391.2	391.5	408.0	**338.7**
1980	368.0	430.0	421.0	331.0	357.8	398.8	412.8	455.6	422.4	405.1	410.8	399.6	**401.1**
1981	384.0	435.5	386.8	162.3	167.3	227.2	232.0	230.4	223.3	223.3	228.8	260.6	**263.5**
1982	248.0	338.8	303.8	113.0	76.6	130.0	129.8	146.0	150.3	164.3	251.2	346.5	**199.9**
1983	240.6	233.3	226.1	77.8	75.6	174.3	181.0	245.2	216.0	203.4	239.6	296.1	**200.8**
1984	279.0	328.3	338.5	133.6	151.0	228.0	258.0	270.0	238.0	247.0	289.0	347.0	**259.0**
1985	330.0	393.0	395.0	148.0	166.0	304.0	317.0	339.0	297.0	303.0	347.0	392.0	**310.9**
1986	437.0	454.0	347.0	66.0	39.0	64.0	70.0	102.0	102.0	107.0	113.0	237.0	**178.2**
1987	284.0	138.0	168.0	60.0	61.0	122.0	161.0	182.0	248.0	274.0	275.0	197.0	**180.8**
1988	190.0	312.0	312.0	102.0	148.0	190.0	178.0	185.0	257.0	193.0	154.0	130.0	**195.9**
1989	123.0	187.0	221.0	105.0	63.0	103.0	103.0	103.0	104.0	138.0	143.0	162.0	**129.6**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Active Seismic Crews
By Area, Average

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Africa:												
Land	64.0	52.8	63.8	81.8	69.5	60.3	53.3	54.5	44.3	37.3	36.0	46.0
Marine	9.5	5.0	6.5	6.8	5.8	10.3	6.3	5.8	4.3	4.5	6.0	8.0
Total	**73.5**	**57.8**	**70.3**	**88.5**	**75.3**	**70.5**	**59.5**	**60.3**	**48.5**	**41.8**	**42.0**	**54.0**
Canada:												
Land	82.0	64.3	75.0	65.8	62.8	71.8	82.3	86.0	53.0	57.5	69.3	57.0
Marine	1.5	1.5	2.8	4.5	4.5	6.5	5.3	3.8	0.5	0.5	0.8	0.8
Total	**83.5**	**65.8**	**77.8**	**70.3**	**67.3**	**78.3**	**87.5**	**89.8**	**53.5**	**58.0**	**70.1**	**57.8**
Central & South America:												
Land	47.0	51.3	66.3	91.3	98.0	81.3	79.0	63.5	48.3	46.3	52.8	53.0
Marine	6.5	9.3	8.5	7.8	7.3	5.0	9.0	8.3	4.5	4.8	4.0	5.3
Total	**53.5**	**60.5**	**74.8**	**99.0**	**105.3**	**86.3**	**88.0**	**71.8**	**52.8**	**51.0**	**56.8**	**58.3**
Far East:												
Land	49.3	48.0	59.0	78.5	102.5	94.5	84.5	92.3	73.8	87.3	74.5	58.3
Marine	8.8	13.5	15.3	12.8	15.5	14.5	12.3	8.5	8.8	9.0	11.0	14.0
Total	**58.0**	**61.5**	**74.3**	**91.3**	**118.0**	**109.0**	**96.8**	**100.8**	**82.5**	**96.3**	**85.5**	**72.3**
Middle East:												
Land	38.5	32.8	40.3	45.3	42.8	32.5	36.0	40.3	33.0	34.8	41.5	40.5
Marine	1.3	1.5	3.5	3.8	2.8	1.0	1.8	2.3	3.8	3.0	2.3	1.8
Total	**39.8**	**34.3**	**43.8**	**49.0**	**45.5**	**33.5**	**37.8**	**42.5**	**36.8**	**37.8**	**43.8**	**42.3**
Mexico:												
Land	23.8	25.5	29.0	29.0	29.0	27.5	31.5	32.3	28.8	22.8	21.3	17.3
Marine	3.3	3.0	3.3	2.8	1.0	0.8	0.0	0.0	0.0	0.3	0.0	0.0
Total	**27.0**	**28.5**	**32.3**	**31.8**	**30.0**	**28.3**	**31.5**	**32.3**	**28.8**	**23.0**	**21.3**	**17.3**
U.S.:												
Land	327.8	381.5	501.8	643.8	511.8	429.8	441.3	318.5	161.0	153.8	147.0	109.0
Marine	24.3	31.3	38.0	44.5	57.3	49.0	47.0	45.0	22.0	24.0	29.0	21.8
Total	**352.0**	**412.8**	**539.8**	**688.3**	**569.0**	**478.8**	**488.3**	**363.5**	**183.0**	**177.8**	**176.0**	**130.8**
Western Europe:												
Land	41.8	49.0	60.0	65.8	68.8	71.0	80.8	78.3	64.8	52.3	48.8	41.8
Marine	10.5	13.0	22.5	29.3	30.8	26.0	34.5	35.0	26.0	24.5	25.5	25.0
Total	**52.3**	**62.0**	**82.5**	**95.0**	**99.5**	**97.0**	**115.3**	**113.3**	**90.8**	**76.8**	**74.3**	**66.8**
Total Non-Communist:												
Land	674.0	705.0	895.0	1,101.0	985.0	868.5	888.5	765.5	506.8	491.8	491.0	422.8
Marine	65.5	78.0	100.3	112.0	124.8	113.0	116.0	108.5	69.8	70.5	78.5	76.5
Total	**739.5**	**783.0**	**995.3**	**1,213.0**	**1,109.8**	**981.5**	**1,004.5**	**874.0**	**576.5**	**562.3**	**569.5**	**499.3**

Note: Totals may not add due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Society of Exploration Geophysicists

Active Seismic Crew Count
In Canada

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
Total 1980	**99**	**101**	**114**	**18**	**44**	**56**	**61**	**59**	**64**	**61**	**69**	**77**	**68.6**
Land	98	101	114	18	42	54	58	53	58	57	66	74	**66.1**
Marine	1	0	0	0	2	2	3	6	6	4	3	3	**2.5**
Total 1981	**101**	**108**	**105**	**25**	**34**	**47**	**52**	**48**	**50**	**56**	**61**	**79**	**63.8**
Land	98	105	103	23	31	42	45	41	44	51	56	74	**59.4**
Marine	3	3	2	2	3	5	7	7	6	5	5	5	**4.4**
Total 1982	**99**	**104**	**106**	**22**	**24**	**33**	**36**	**47**	**46**	**57**	**60**	**84**	**59.8**
Land	95	101	104	19	21	28	31	40	39	51	55	80	**55.3**
Marine	4	3	2	3	3	5	5	7	7	6	5	4	**4.5**
Total 1983	**93**	**98**	**104**	**32**	**50**	**53**	**56**	**61**	**67**	**74**	**73**	**89**	**70.8**
Land	87	93	99	28	43	46	47	50	57	69	70	85	**64.5**
Marine	6	5	5	4	7	7	9	11	10	5	3	4	**6.3**
Total 1984	**123**	**127**	**129**	**42**	**49**	**55**	**64**	**67**	**56**	**69**	**84**	**110**	**81.3**
Land	121	124	125	39	48	53	57	58	46	61	78	105	**76.3**
Marine	2	3	4	3	1	2	7	9	10	8	6	5	**5.0**
Total 1985	**123**	**153**	**156**	**27**	**70**	**71**	**88**	**69**	**54**	**61**	**69**	**78**	**84.9**
Land	123	152	153	21	64	66	80	61	49	59	67	76	**80.9**
Marine	0	1	3	6	6	5	8	8	5	2	2	2	**4.0**
Total 1986	**123**	**123**	**100**	**11**	**18**	**22**	**12**	**20**	**17**	**32**	**42**	**80**	**50.0**
Land	121	121	100	11	18	21	11	18	16	32	42	80	**49.3**
Marine	2	2	0	0	0	1	1	2	1	0	0	0	**0.8**
Total 1987	**58**	**68**	**84**	**20**	**34**	**35**	**36**	**46**	**49**	**50**	**50**	**64**	**49.5**
Land	58	68	84	20	33	34	36	45	48	49	49	64	**49.0**
Marine	0	0	0	0	1	1	0	1	1	1	1	0	**0.5**
Total 1988	**112**	**119**	**120**	**36**	**38**	**35**	**42**	**59**	**56**	**40**	**28**	**69**	**62.8**
Land	112	119	120	36	38	35	40	56	53	39	28	69	**62.1**
Marine	0	0	0	0	0	0	2	3	3	1	0	0	**0.8**
Total 1989	**97**	**101**	**110**	**8**	**26**	**21**	**35**	**34**	**38**	**37**	**40**	**62**	**50.8**
Land	97	101	110	8	26	21	35	31	35	37	40	62	**50.3**
Marine	0	0	0	0	0	0	0	3	3	0	0	0	**0.5**

Data from Oil & Gas Journal Energy Database.
Source: Society of Exploration Geophysicists

Total World Well Completions
Total Wells Drilled

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
U.S.	29,542	27,682	29,420	28,662	34,415	40,804	42,614	47,308	51,671	53,362
Canada	3,108	3,175	3,548	4,621	4,227	4,242	6,221	6,197	7,170	7,489
Latin America	1,829	1,845	1,703	1,638	1,727	1,557	1,788	1,925	2,329	3,156
Western Europe	362	418	459	400	489	576	555	576	659	675
Middle East	242	293	425	609	630	596	604	644	585	621
Africa	709	653	645	597	628	605	435	596	584	841
Far East	246	579	535	698	810	745	742	704	976	2,965
Total World	**36,038**	**34,645**	**36,735**	**37,225**	**42,926**	**49,125**	**52,959**	**57,950**	**63,974**	**69,109**

	1980	1981	1982	1983	1984	1985	1986	1987	1988
U.S.	71,562	91,600	83,092	75,033	84,983	83,609	51,045	35,917	36,307
Canada	8,813	6,927	6,464	7,095	8,765	12,564	5,991	7,078	7,849
Latin America	3,798	4,139	4,100	NA	2,330	3,434	3,144	2,303	2,698
Western Europe	1,031	1,093	1,060	1,067	930	1,279	1,179	951	NA
Middle East	817	771	571	NA	270	NA	659	186	111
Africa	870	948	771	607	681	509	456	503	527
Far East	4,078	4,266	915	1,389	1,975	6,951	6,874	7,250	6,877
Total World	**90,969**	**109,744**	**96,973**	**85,191**	**99,934**	**108,346**	**69,348**	**54,188**	**54,369**

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute

Total World Well Completions
Exploratory Wells Drilled

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
U.S.	7,436	7,131	7,551	7,771	8,969	9,459	9,317	10,140	11,030	10,735
Canada	1,537	1,534	1,633	2,219	1,735	1,649	2,481	2,801	3,144	2,925
Latin America	444	419	399	384	405	321	362	406	329	NA
Western Europe	159	199	210	217	243	296	272	252	297	325
Middle East	72	48	81	65	70	100	120	99	122	NA
Africa	263	257	223	178	191	200	162	204	201	204
Far East	246	261	312	342	338	313	249	247	395	377
Total World	**10,157**	**9,849**	**10,409**	**11,176**	**11,951**	**12,338**	**12,963**	**14,149**	**15,518**	**14,566**

	1980	1981	1982	1983	1984	1985	1986	1987	1988
U.S.	12,870	17,491	15,842	13,865	15,138	13,832	9,006	7,003	6,554
Canada	3,857	3,074	2,346	2,041	2,863	3,404	2,034	2,369	2,889
Latin America	409	970	879	504	543	614	455	428	479
Western Europe	NA	507	599	528	396	616	630	459	NA
Middle East	88	NA	167	111	110	NA	127	60	159
Africa	207	284	297	204	208	284	241	264	247
Far East	403	125	464	547	684	545	442	385	469
Total World	**17,834**	**22,451**	**20,594**	**17,800**	**19,942**	**19,295**	**12,935**	**10,968**	**10,797**

Data from Oil & Gas Journal Energy Database.
Source: American Association of Petroleum Geologists, American Petroleum Institute

Active Workover Rigs by Region
Total North America

	North-east	South-east	Gulf Coast	Mid-Continent	West Texas	Rocky Mountains	Western	Total U.S.	Canada	Total North America
April 1987	89	82	259	158	385	98	107	1,178	NA	NA
May	147	90	359	179	301	124	52	1,252	117	1,369
June	146	83	340	238	334	149	84	1,374	159	1,533
July	141	99	293	213	333	163	98	1,340	188	1,528
August	159	104	305	230	342	153	139	1,432	152	1,584
September	268	104	338	332	438	237	81	1,798	166	1,964
October	266	93	304	270	465	228	123	1,749	190	1,939
November	227	91	297	284	461	245	98	1,703	175	1,878
December	264	99	251	312	470	169	115	1,680	201	1,881
January 1988	253	110	277	357	488	171	105	1,761	200	1,961
February	189	114	348	336	486	166	93	1,732	193	1,925
March	227	97	312	306	454	117	100	1,613	130	1,743
April	314	121	349	295	422	156	84	1,741	97	1,838
May	247	131	294	323	464	149	103	1,711	164	1,875
June	433	120	334	293	468	153	109	1,910	164	2,074
July	250	108	265	304	386	124	109	1,546	149	1,695
August	225	120	273	278	412	118	122	1,548	165	1,713
September	275	113	295	351	332	141	108	1,615	125	1,740
October	252	112	297	308	347	145	70	1,531	133	1,664
November	313	121	290	299	329	127	66	1,545	151	1,696
December	240	108	307	221	383	126	66	1,451	158	1,609
January 1989	215	95	320	276	368	123	44	1,441	157	1,598
February	221	116	277	245	321	120	46	1,346	174	1,520
March	197	112	311	335	334	105	65	1,459	151	1,610
April	185	106	292	289	359	112	60	1,403	52	1,455
May	189	84	293	304	383	137	61	1,451	94	1,545
June	212	115	285	229	368	124	54	1,387	108	1,495
July	181	121	323	299	333	133	68	1,458	114	1,572
August	203	103	311	251	335	126	95	1,424	121	1,545
September	223	124	332	251	374	152	110	1,566	120	1,686
October	244	129	308	327	403	163	101	1,675	141	1,816
November	173	132	319	360	386	154	115	1,639	149	1,788
December	195	152	344	324	402	186	116	1,719	157	1,876

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

Notes

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U.S. Crude Oil Production

Year	000 bbl.	000 b/d
1859	2	
1860	500	1.4
1861	2,114	5.8
1862	3,057	8.4
1863	2,611	7.2
1864	2,116	5.8
1865	2,498	6.8
1866	3,598	9.9
1867	3,347	9.2
1868	3,646	10.0
1869	4,215	11.5
1870	5,261	14.4
1871	5,205	14.3
1872	6,293	17.2
1873	9,894	27.1
1874	10,927	29.9
1875	*11,963	32.8
1876	9,133	25.0
1877	13,350	36.6
1878	15,397	42.2
1879	19,914	54.6
1880	26,286	71.8
1881	27,661	75.8
1882	+30,511	83.6
1883	23,450	64.2
1884	24,218	66.2
1885	21,859	59.9
1886	28,065	76.9
1887	28,283	77.5
1888	27,612	75.4
1889	35,164	96.3
1890	45,824	125.5
1891	54,293	148.7
1892	50,515	138.0
1893	48,431	132.7
1894	49,344	135.2
1895	52,892	144.9
1896	60,960	166.6
1897	60,476	165.7
1898	55,364	151.7
1899	57,071	156.4
1900	63,621	173.8
1901	69,389	190.1
1902	88,767	243.2
1903	100,461	275.2
1904	117,081	319.9
1905	134,717	369.1
1906	126,494	346.6
1907	166,095	455.1
1908	178,527	487.8
1909	183,171	501.8
1910	209,557	574.1
1911	220,449	604.0
1912	222,935	609.1
1913	248,446	680.7
1914	265,763	728.1
1915	281,104	770.1
1916	300,767	821.8
1917	335,316	918.7
1918	355,928	975.1
1919	378,367	1,036.6
1920	442,929	1,210.2
1921	472,183	1,293.7
1922	557,531	1,527.5
1923	732,407	2,006.6
1924	713,940	1,950.7
1925	763,743	2,092.4
1926	770,874	2,112.0
1927	901,129	2,468.8
1928	901,474	2,463.0
1929	1,007,323	2,759.8
1930	898,011	2,460.3
1931	851,081	2,331.7
1932	785,159	2,145.2
1933	905,656	2,481.2
1934	908,065	2,487.8
1935	996,596	2,730.4
1936	1,099,687	3,004.6
1937	1,279,160	3,504.5
1938	1,214,355	3,327.0
1939	1,264,962	3,465.6
1940	1,353,214	3,697.3
1941	1,402,228	3,841.7
1942	1,386,645	3,799.0
1943	1,505,613	4,125.0
1944	1,677,904	4,584.4
1945	1,713,655	4,694.9
1946	1,733,939	4,750.5
1947	1,856,987	5,087.6
1948	2,020,185	5,519.6
1949	1,841,940	5,046.4
1950	1,973,574	5,407.1
1951	2,247,711	6,158.1
1952	2,289,836	6,256.4
1953	2,357,082	6,457.8
1954	2,314,988	6,342.4
1955	2,484,428	6,806.7
1956	2,617,283	7,151.0
1957	2,616,901	7,169.6
1958	2,448,987	6,709.6
1959	2,574,590	7,053.7
1960	2,574,933	7,035.3
1961	2,621,758	7,182.9
1962	2,676,189	7,332.0
1963	2,752,723	7,541.7
1964	2,786,822	7,614.3
1965	2,848,514	7,804.1
1966	3,027,763	8,295.2
1967	3,215,742	8,810.3
1968	3,329,042	9,095.7
1969	3,371,751	9,237.7
1970	3,517,450	9,636.8
1971	3,453,914	9,462.8
1972	3,455,368	9,440.9
1973	3,360,903	9,208.0
1974	3,202,585	8,774.2
1975	3,056,779	8,374.7
1976	2,976,180	8,131.6
1977	3,009,265	8,244.6
1978	3,178,216	8,707.4
1979	3,121,310	8,551.5
1980	3,146,365	8,596.6
1981	3,128,624	8,571.6
1982	3,156,715	8,648.5
1983	3,170,999	8,687.7
1984	3,249,696	8,879.0
1985	3,274,553	8,971.4
1986	3,168,252	8,680.1
1987	3,047,378	8,349.0
1988	2,979,123	8,139.7
1989	2,778,773	7,613.1

* 1875 production includes cumulative California production, 1861-1875, and cumulative Ohio and West Virginia production 1860-1875.

+ 1882 production includes cumulative Kentucky production 1860-1882.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, American Petroleum Institute, Energy Information Administration

U.S. Crude Oil Production
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	9,175.9	9,395.2	9,271.9	9,291.9	9,262.4	9,213.9	9,217.1	9,168.5	9,065.3	9,223.9	9,161.0	9,063.2	9,209.2
1974	8,933.9	9,142.2	8,965.4	8,954.0	8,910.6	8,780.2	8,780.1	8,698.9	8,442.9	8,611.3	8,568.8	8,526.5	8,776.2
1975	8,455.0	8,591.1	8,493.5	8,456.6	8,378.8	8,420.8	8,335.7	8,248.8	8,279.6	8,324.4	8,277.9	8,253.5	8,376.3
1976	8,231.8	8,231.2	8,232.2	8,077.0	8,124.5	8,094.4	8,127.2	8,110.6	8,149.6	8,063.3	8,079.6	8,060.6	8,131.8
1977	7,854.1	8,138.9	8,089.6	8,144.9	8,074.7	8,101.9	8,104.6	8,306.8	8,479.7	8,573.4	8,579.3	8,487.0	8,244.6
1978	8,359.7	8,376.6	8,720.1	8,817.5	8,825.3	8,832.5	8,756.2	8,758.1	8,800.3	8,820.0	8,741.1	8,661.5	8,705.7
1979	8,474.7	8,525.4	8,601.1	8,553.1	8,601.0	8,431.6	8,363.8	8,547.8	8,523.1	8,621.2	8,760.6	8,614.5	8,551.5
1980	8,675.5	8,704.5	8,698.4	8,684.7	8,635.0	8,554.0	8,547.2	8,414.2	8,619.2	8,531.9	8,495.1	8,605.7	8,597.1
1981	8,539.9	8,604.1	8,613.0	8,556.9	8,501.3	8,628.6	8,499.9	8,582.9	8,604.0	8,562.9	8,586.0	8,585.4	8,572.1
1982	8,509.5	8,702.2	8,667.3	8,591.3	8,683.4	8,646.1	8,658.0	8,633.6	8,700.9	8,701.5	8,697.3	8,597.9	8,649.1
1983	8,696.9	8,758.5	8,700.2	8,775.6	8,631.5	8,667.1	8,636.0	8,679.1	8,784.3	8,770.6	8,770.4	8,396.5	8,688.9
1984	8,867.8	8,874.4	8,671.9	8,856.1	8,955.4	8,852.3	8,884.9	8,809.4	8,993.3	8,905.6	8,978.6	8,896.7	8,878.9
1985	8,739.5	9,024.8	9,094.9	9,043.3	9,132.0	9,021.8	8,948.7	8,802.6	8,953.7	8,969.9	8,902.0	9,029.5	8,971.9
1986	9,137.0	9,173.4	9,013.3	8,863.9	8,837.5	8,623.3	8,659.6	8,373.5	8,328.1	8,418.8	8,412.5	8,352.5	8,682.8
1987	8,480.3	8,388.6	8,464.5	8,498.2	8,336.3	8,278.5	8,251.0	8,209.9	8,205.4	8,363.6	8,397.2	8,317.5	8,349.3
1988	8,249.8	8,374.1	8,373.8	8,287.6	8,228.7	8,170.1	8,039.6	8,079.3	7,894.9	8,022.7	8,023.3	7,941.6	8,140.5
1989	7,937.3	7,788.4	7,574.9	7,771.6	7,816.2	7,624.4	7,444.1	7,544.5	7,547.9	7,452.8	7,536.1	7,336.7	7,614.6

U.S. Crude Oil Production
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	284,454	263,066	287,430	278,757	287,134	276,418	285,731	284,225	271,959	285,940	274,829	280,960	3,360,903
1974	276,950	255,982	277,927	268,619	276,228	263,407	272,184	269,665	253,288	266,949	257,064	264,322	3,202,585
1975	262,104	240,552	263,297	253,698	259,742	252,624	258,408	255,712	248,389	258,057	248,336	255,860	3,056,779
1976	255,185	238,705	255,198	242,310	251,860	242,833	251,942	251,429	244,489	249,962	242,388	249,879	2,976,180
1977	243,478	227,890	250,778	244,347	250,317	243,058	251,244	257,510	254,392	265,776	257,378	263,097	3,009,265
1978	259,150	234,544	270,324	264,526	273,583	264,974	271,442	271,502	264,010	273,420	262,233	268,508	3,178,216
1979	262,716	238,710	266,635	256,593	266,631	252,949	259,278	264,981	255,693	267,256	262,818	267,050	3,121,310
1980	268,940	252,431	269,650	260,541	267,684	256,619	264,964	260,841	258,577	264,489	254,852	266,777	3,146,365
1981	264,736	240,914	267,003	256,708	263,541	258,859	263,498	266,069	258,120	265,450	257,579	266,147	3,128,624
1982	263,793	243,661	268,687	257,738	269,186	259,383	268,398	267,643	261,028	269,745	260,918	266,535	3,156,715
1983	269,604	245,237	269,706	263,269	267,575	260,014	267,717	269,053	263,530	271,890	263,111	260,293	3,170,999
1984	274,902	257,357	268,829	265,682	277,616	265,570	275,432	273,091	269,798	276,075	269,357	275,797	3,249,506
1985	270,926	252,695	281,943	271,299	283,093	270,653	277,410	272,881	268,610	278,068	267,059	279,916	3,274,553
1986	283,248	256,855	279,413	265,917	273,964	258,700	268,448	259,580	249,843	260,984	252,374	258,926	3,168,252
1987	262,888	234,880	262,398	254,945	258,426	248,356	255,782	254,508	246,163	259,272	251,915	257,844	3,047,377
1988	255,743	242,848	259,587	248,629	255,089	245,102	249,229	250,459	236,847	248,704	240,700	246,189	2,979,126
1989	246,056	218,076	234,822	233,147	242,303	228,731	230,766	233,878	226,436	231,036	226,082	227,439	2,778,772

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Natural Gas Liquids Production

Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	1,680.0	1,744.9	1,734.5	1,749.6	1,739.3	1,726.7	1,737.0	1,747.8	1,741.1	1,756.3	1,774.0	1,728.5	**1,738.3**
1974	1,699.1	1,728.3	1,741.4	1,695.7	1,689.6	1,683.8	1,656.6	1,675.5	1,638.1	1,686.1	1,693.9	1,669.7	**1,688.2**
1975	1,629.5	1,645.9	1,657.9	1,635.2	1,607.0	1,646.3	1,621.3	1,649.8	1,576.7	1,642.6	1,634.9	1,645.9	**1,632.8**
1976	1,585.1	1,640.4	1,615.2	1,616.0	1,587.7	1,605.5	1,591.6	1,596.2	1,602.4	1,600.7	1,620.6	1,589.2	**1,604.2**
1977	1,549.4	1,589.2	1,687.4	1,663.9	1,620.3	1,616.4	1,609.2	1,592.6	1,585.5	1,632.5	1,627.4	1,636.5	**1,617.5**
1978	1,556.5	1,562.1	1,590.4	1,618.5	1,530.2	1,583.4	1,558.2	1,556.4	1,546.1	1,540.3	1,601.9	1,566.5	**1,567.5**
1979	1,530.4	1,561.1	1,547.7	1,610.9	1,569.6	1,571.4	1,564.4	1,575.4	1,564.6	1,607.0	1,675.9	1,625.7	**1,583.7**
1980	1,648.3	1,655.9	1,567.8	1,630.1	1,615.3	1,561.4	1,523.5	1,519.4	1,515.5	1,515.7	1,570.5	1,559.6	**1,573.6**
1981	1,651.8	1,653.5	1,623.7	1,598.6	1,303.2	1,593.7	1,547.5	1,614.5	1,612.1	1,598.4	1,629.8	1,589.9	**1,584.7**
1982	1,577.6	1,562.7	1,571.6	1,541.5	1,518.1	1,510.5	1,512.6	1,524.4	1,518.2	1,530.2	1,608.6	1,628.5	**1,550.4**
1983	1,568.7	1,565.4	1,526.0	1,491.7	1,483.2	1,510.2	1,527.6	1,545.4	1,589.8	1,592.8	1,630.0	1,537.3	**1,547.4**
1984	1,568.0	1,631.7	1,595.2	1,615.3	1,610.5	1,609.3	1,630.0	1,633.2	1,656.0	1,645.5	1,674.5	1,646.1	**1,626.3**
1985	1,614.6	1,611.2	1,587.2	1,567.3	1,579.4	1,584.3	1,552.5	1,578.1	1,560.2	1,595.0	1,645.2	1,666.9	**1,595.2**
1986	1,705.8	1,691.5	1,599.9	1,518.3	1,538.2	1,499.6	1,503.1	1,440.6	1,464.1	1,472.7	1,565.5	1,566.0	**1,547.1**
1987	1,577.8	1,613.5	1,593.1	1,585.2	1,581.1	1,574.0	1,578.0	1,567.0	1,577.3	1,598.4	1,632.2	1,616.6	**1,591.2**
1988	1,574.7	1,601.1	1,632.7	1,613.6	1,623.4	1,611.5	1,614.6	1,612.2	1,617.4	1,657.1	1,662.7	1,630.3	**1,620.9**
1989	1,664.4	1,607.0	1,650.1	1,674.0	1,620.0	1,506.9	1,541.5	1,503.6	1,480.3	1,477.9	1,482.8	1,342.7	**1,545.9**

U.S. Natural Gas Liquids Production

Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	52,081	48,857	53,769	52,488	53,917	51,801	53,846	54,183	52,233	54,444	53,219	53,585	**634,423**
1974	52,672	48,392	53,983	50,872	52,379	50,514	51,354	51,942	49,144	52,268	50,817	51,761	**616,098**
1975	50,515	46,086	51,396	49,056	49,818	49,390	50,260	51,143	47,302	50,922	49,048	51,022	**595,958**
1976	49,137	47,573	50,072	48,481	49,218	48,166	49,340	49,482	48,071	49,621	48,618	49,266	**587,045**
1977	48,030	44,497	52,310	49,916	50,229	48,491	49,885	49,372	47,564	50,608	48,821	50,732	**590,455**
1978	48,252	43,739	49,302	48,555	47,436	47,503	48,303	48,248	46,383	47,748	48,056	48,561	**572,086**
1979	47,443	43,711	47,978	48,326	48,658	47,143	48,497	48,838	46,939	49,818	50,276	50,396	**578,023**
1980	51,098	48,022	48,602	48,904	50,074	46,841	47,229	47,102	45,464	46,987	47,115	48,349	**575,787**
1981	51,205	46,297	50,335	47,957	40,398	47,810	47,974	50,048	48,363	49,551	48,895	49,287	**578,120**
1982	48,907	43,756	48,719	46,244	47,062	45,316	46,892	47,257	45,546	47,437	48,257	50,483	**565,876**
1983	48,631	43,832	47,306	44,752	45,980	45,307	47,357	47,907	47,695	49,377	48,900	47,655	**564,699**
1984	48,607	47,318	49,452	48,460	49,925	48,279	50,530	50,628	49,679	51,009	50,236	51,029	**595,152**
1985	50,053	45,114	49,202	47,020	48,962	47,528	48,127	48,920	46,806	49,444	49,356	51,674	**582,206**
1986	52,879	47,362	49,598	45,548	47,684	44,988	46,597	44,659	43,922	45,653	46,965	48,546	**564,401**
1987	48,911	45,177	49,386	47,557	49,014	47,221	48,919	48,577	47,320	49,549	48,967	50,116	**580,714**
1988	48,815	46,432	50,615	48,408	50,324	48,345	50,054	49,977	48,522	51,371	49,881	50,539	**593,283**
1989	51,597	44,995	51,152	50,221	50,219	45,207	47,786	46,612	44,410	45,816	44,485	41,625	**564,125**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total U.S. Liquids Production
Thousands of barrels per day

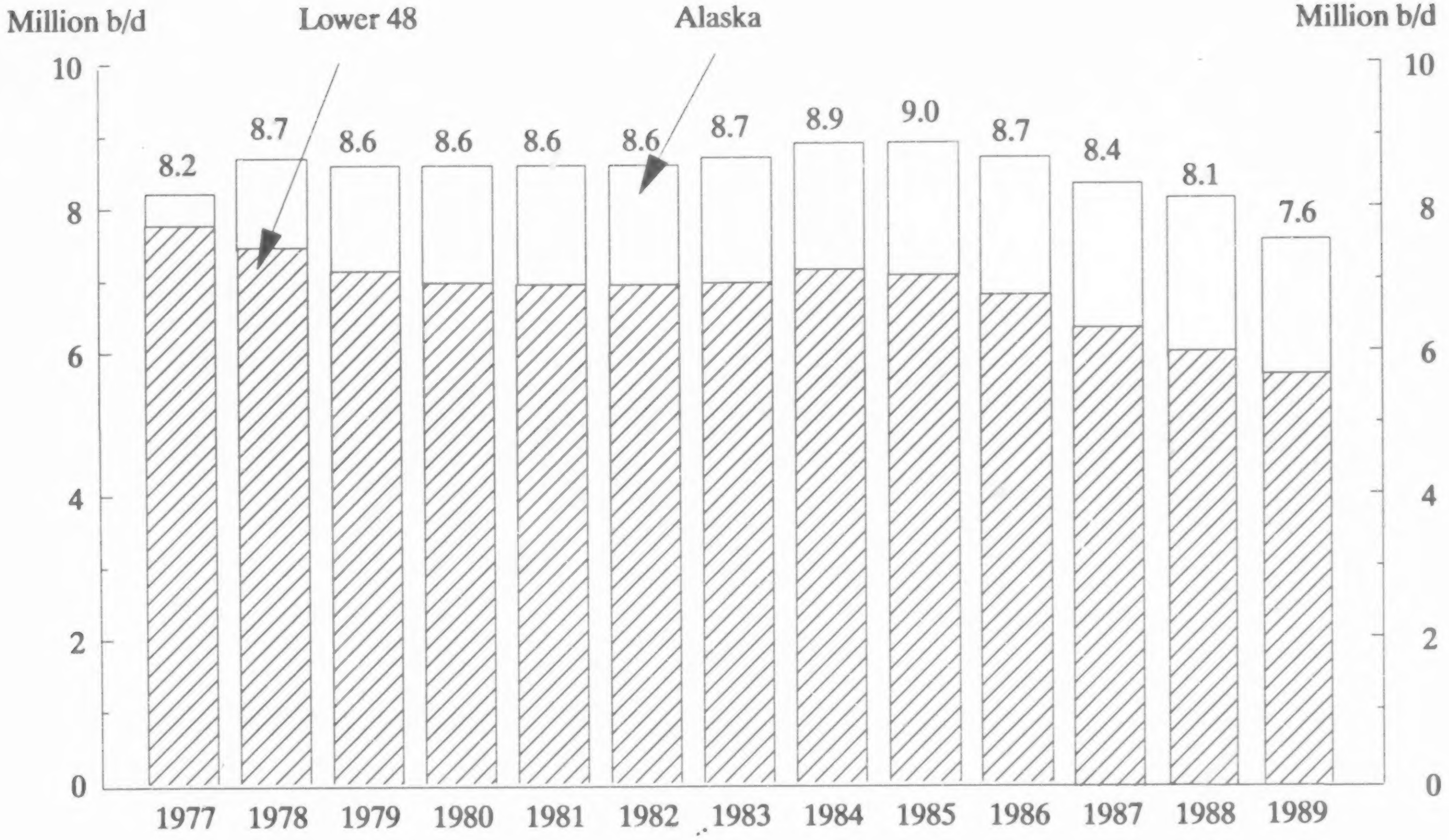
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	10,856.0	11,140.1	11,006.4	11,041.5	11,001.6	10,940.6	10,954.1	10,916.4	10,806.4	10,980.1	10,934.9	10,791.8	**10,947.5**
1974	10,633.0	10,870.5	10,706.8	10,649.7	10,600.2	10,464.0	10,436.7	10,374.4	10,081.1	10,297.3	10,262.7	10,196.2	**10,464.4**
1975	10,084.5	10,237.1	10,151.4	10,091.8	9,985.8	10,067.1	9,957.0	9,898.5	9,856.4	9,967.1	9,912.8	9,899.4	**10,009.1**
1976	9,816.8	9,871.7	9,847.4	9,693.0	9,712.2	9,700.0	9,718.8	9,706.8	9,752.0	9,664.0	9,700.2	9,649.8	**9,736.1**
1977	9,403.5	9,728.1	9,777.0	9,808.8	9,695.0	9,718.3	9,713.8	9,899.4	10,065.2	10,205.9	10,206.6	10,123.5	**9,862.1**
1978	9,916.2	9,938.7	10,310.5	10,436.0	10,355.5	10,415.9	10,314.4	10,314.5	10,346.4	10,360.3	10,343.0	10,228.0	**10,273.3**
1979	10,005.1	10,086.5	10,148.8	10,164.0	10,170.6	10,003.1	9,928.2	10,123.2	10,087.7	10,228.2	10,436.5	10,240.2	**10,135.2**
1980	10,323.8	10,360.4	10,266.2	10,314.8	10,250.3	10,115.3	10,070.7	9,933.6	10,134.7	10,047.6	10,065.6	10,165.4	**10,170.7**
1981	10,231.2	10,293.7	10,271.9	10,194.7	10,160.1	10,287.3	10,098.1	10,242.9	10,281.0	10,225.2	10,269.2	10,219.7	**10,231.3**
1982	10,127.9	10,311.9	10,284.0	10,188.3	10,244.4	10,212.0	10,228.9	10,215.0	10,279.0	10,299.1	10,359.1	10,276.0	**10,252.1**
1983	10,331.4	10,387.8	10,278.8	10,321.9	10,190.1	10,261.0	10,228.3	10,283.7	10,446.9	10,433.7	10,460.8	9,983.4	**10,300.6**
1984	10,477.0	10,564.8	10,319.1	10,531.0	10,623.2	10,507.3	10,587.1	10,478.4	10,692.3	10,608.2	10,689.0	10,577.8	**10,554.6**
1985	10,412.5	10,692.0	10,748.0	10,673.2	10,770.2	10,663.5	10,550.2	10,484.8	10,584.5	10,637.4	10,640.2	10,777.3	**10,636.1**
1986	10,911.2	10,915.5	10,663.7	10,435.4	10,440.3	10,187.3	10,225.1	9,875.3	9,851.8	9,953.6	10,060.7	9,985.0	**10,292.1**
1987	10,138.8	10,072.6	10,131.2	10,139.4	9,977.2	9,906.4	9,894.9	9,842.5	9,851.1	10,036.5	10,111.5	10,001.4	**10,008.6**
1988	9,875.8	10,018.0	10,070.9	9,946.0	9,899.4	9,833.5	9,713.0	9,761.5	9,575.1	9,737.2	9,750.8	9,641.2	**9,818.5**
1989	9,678.0	9,441.1	9,284.4	9,500.8	9,497.6	9,188.0	9,054.8	9,105.9	9,095.9	8,983.2	9,083.7	8,734.3	**9,220.6**

Total U.S. Liquids Production
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	336,535	311,923	341,199	331,245	341,051	328,219	339,577	338,408	324,192	340,384	328,048	334,545	**3,995,326**
1974	329,622	304,374	331,910	319,491	328,607	313,921	323,538	321,607	302,432	319,217	307,881	316,083	**3,818,683**
1975	312,619	286,638	314,693	302,754	309,560	302,014	308,668	306,855	295,691	308,979	297,384	306,882	**3,652,737**
1976	304,322	286,278	305,270	290,791	301,078	290,999	301,282	300,911	292,560	299,583	291,006	299,145	**3,563,225**
1977	291,508	272,387	303,088	294,263	300,546	291,549	301,129	306,882	301,956	316,384	306,199	313,829	**3,599,720**
1978	307,402	278,283	319,626	313,081	321,019	312,477	319,745	319,750	310,393	321,168	310,289	317,069	**3,750,302**
1979	310,159	282,421	314,613	304,919	315,289	300,092	307,775	313,819	302,632	317,074	313,094	317,446	**3,699,333**
1980	320,038	300,453	318,252	309,445	317,758	303,460	312,193	307,943	304,041	311,476	301,967	315,126	**3,722,152**
1981	317,168	288,224	318,429	305,840	314,963	308,619	313,042	317,530	308,430	316,982	308,077	316,812	**3,734,116**
1982	313,966	288,734	318,804	305,648	317,577	306,359	317,095	316,666	308,371	319,273	310,774	318,555	**3,741,822**
1983	320,272	290,859	318,643	309,656	315,893	307,829	317,076	318,794	313,408	323,445	313,823	309,484	**3,759,182**
1984	324,786	306,379	319,891	315,930	329,319	315,220	328,200	324,830	320,770	328,853	320,670	327,911	**3,862,759**
1985	322,787	299,375	333,187	320,197	333,876	319,905	327,056	325,030	317,534	329,758	319,206	334,097	**3,882,008**
1986	338,247	305,635	330,574	313,063	323,650	305,620	316,977	306,135	295,554	308,562	301,822	309,536	**3,755,375**
1987	314,303	282,032	314,067	304,182	309,294	297,193	306,743	305,118	295,534	311,133	303,346	310,044	**3,652,989**
1988	306,151	290,521	312,197	298,381	306,882	295,004	301,103	302,608	287,252	301,853	292,525	298,877	**3,593,354**
1989	300,019	264,351	287,815	285,024	294,425	275,641	280,698	282,284	272,876	278,480	272,512	270,763	**3,364,888**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Crude Oil Production



Source: EIA

U.S. Crude Oil Production
By State*
Thousands of barrels

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
Alabama	NA	NA	NA	NA	43	181	380	396	466	462
Arkansas	25,775	26,327	26,628	27,600	29,418	28,613	28,375	29,948	31,682	29,986
California	223,881	230,263	248,326	284,188	311,793	326,482	314,713	333,132	340,074	332,942
Colorado	1,626	2,150	2,199	2,320	3,083	5,036	11,856	15,702	17,862	23,587
Florida	NA	NA	NA	4	12	30	57	259	290	441
Illinois	147,647	132,393	106,391	82,260	77,413	75,094	75,297	66,459	64,808	64,501
Indiana	4,978	7,411	6,743	5,283	5,118	4,868	6,726	6,095	6,974	9,696
Kansas	66,139	83,242	97,636	106,178	98,762	96,415	97,218	105,132	110,908	101,868
Kentucky	5,188	4,762	4,534	7,883	9,621	10,325	10,578	9,397	8,801	8,803
Louisiana	103,584	115,908	115,785	123,592	129,645	131,051	143,669	160,128	181,458	190,826
Michigan	19,753	16,359	21,754	20,768	18,490	17,267	[illegible]7,074	16,215	16,871	16,517
Mississippi	4,400	15,327	28,833	18,807	16,337	19,062	24,298	34,925	45,761	37,966
Missouri	44	47	36	36	45	45	51	55	31	49
Montana	6,728	7,526	8,074	7,916	8,647	8,420	8,825	8,742	9,382	9,118
Nebraska	276	1,898	1,237	635	417	305	293	229	215	330
Ohio	3,159	3,510	3,543	3,322	2,937	2,828	2,908	3,108	3,600	3,483
Oklahoma	156,164	154,702	140,690	123,152	124,616	139,299	134,794	141,019	154,455	151,660
Pennsylvania	17,353	16,750	17,779	15,757	14,118	12,515	12,996	12,690	12,667	11,374
Tennessee	24	12	9	10	9	8	10	8	19	18
Texas	493,209	505,572	483,097	594,343	746,699	754,710	760,215	720,210	903,498	744,834
Utah	NA	NA	NA	NA	NA	NA	NA	NA	16	637
Virginia	NA	NA	NA	2	3	4	23	61	33	43
West Virginia	3,444	3,433	3,574	3,349	3,070	2,879	2,929	2,617	2,692	2,839
Wyoming	25,711	29,878	32,812	34,253	33,356	36,219	38,977	44,772	55,032	47,890
Other states*	44,131	44,758	36,965	43,955	44,252	41,999	41,677	145,688	52,590	52,070
Total U.S.	**1,353,214**	**1,402,228**	**1,386,645**	**1,505,613**	**1,677,904**	**1,713,655**	**1,733,939**	**1,856,987**	**2,020,185**	**1,841,940**

* Individual figures not available for all states. First year of data does not necessarily indicate first year of production.

U.S. Crude Oil Production
By State*
Thousands of barrels

	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
Alabama	735	1,020	1,279	1,694	1,584	1,411	3,069	5,406	5,887	5,524
Alaska	NA	NA	NA	NA	NA	NA	NA	NA	29	187
Arkansas	31,108	29,798	29,440	29,681	29,130	28,369	29,355	31,047	28,700	26,329
California	327,607	354,561	359,450	365,085	355,865	354,812	350,754	339,646	313,672	308,946
Colorado	23,303	27,823	30,381	36,402	46,206	52,653	58,516	54,982	48,736	46,440
Florida	487	596	591	543	548	495	479	461	449	424
Illinois	62,028	60,243	60,089	59,026	66,798	81,423	82,346	77,083	80,275	76,727
Indiana	10,699	11,100	12,037	12,823	11,204	10,988	11,513	12,662	11,864	11,554
Kansas	107,586	114,522	114,807	114,566	119,317	121,669	124,204	123,614	119,942	119,543
Kentucky	10,381	11,622	11,918	11,518	13,791	15,518	17,628	17,029	17,509	27,272
Louisiana	208,965	232,281	243,929	256,632	246,558	271,010	299,421	329,896	313,891	362,666
Michigan	15,826	13,927	13,251	12,285	12,028	11,266	10,740	10,169	9,308	10,439
Mississippi	38,236	37,039	36,310	35,620	34,240	37,741	40,824	38,922	39,512	49,620
Missouri	32	24	21	39	96	72	65	65	84	75
Montana	8,109	8,958	9,606	11,920	14,195	15,654	21,760	27,172	27,957	29,857
Nebraska	1,547	2,558	2,660	6,344	7,783	11,203	16,204	19,586	20,373	22,881
Nevada	NA	NA	NA	NA	33	64	64	44	40	32
New Mexico	NA	NA	NA	NA	NA	NA	NA	NA	98,515	105,692
New York	NA	NA	NA	NA	NA	NA	NA	NA	1,763	1,970
North Dakota	NA	25	1,549	5,183	6,025	11,143	13,495	13,259	14,259	17,824
Ohio	3,383	3,140	3,350	3,610	3,880	4,353	4,785	5,478	6,260	5,978
Oklahoma	164,599	186,869	190,435	202,570	185,851	202,817	215,862	214,661	200,699	198,090
Pennsylvania	11,859	11,345	11,233	10,649	9,107	8,531	8,230	8,179	6,472	6,160
South Dakota	NA	NA	NA	NA	37	30	32	54	58	151
Tennessee	12	14	15	16	13	13	9	7	7	6
Texas	829,874	1,010,270	1,022,139	1,019,164	974,275	1,053,297	1,107,808	1,073,867	940,166	971,978
Utah	1,228	1,305	1,737	1,807	1,905	2,227	2,466	4,367	24,811	39,959
Virginia	21	12	10	8	7	4	4	5	4	6
West Virginia	2,808	2,757	2,602	3,038	2,902	2,320	2,179	2,215	2,186	2,184
Wyoming	61,631	68,929	68,074	82,618	93,533	99,483	104,830	109,584	115,572	126,050
Other states*	51,510	56,973	62,923	74,241	78,077	85,862	90,641	97,441	16	26
Total U.S.	1,973,574	2,247,711	2,289,836	2,357,082	2,314,988	2,484,428	2,617,283	2,616,901	2,449,016	2,574,590

U.S. Crude Oil Production
By State
Thousands of barrels

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Alabama	7,329	6,931	7,473	9,175	8,498	8,064	8,030	7,348	7,635	7,701
Alaska	559	6,327	10,259	10,740	11,059	11,128	14,358	29,126	66,204	73,953
Arizona	73	73	39	68	64	97	132	2,924	3,370	2,433
Arkansas	30,117	29,246	27,649	27,406	26,737	25,930	28,824	21,075	19,464	18,049
California	305,352	299,609	296,590	300,908	300,009	316,428	345,295	359,219	375,496	375,291
Colorado	47,469	46,759	42,477	38,283	34,755	33,511	33,492	33,905	31,937	28,294
Florida	369	374	419	464	620	1,464	1,799	1,568	1,474	1,731
Illinois	77,341	76,818	78,796	74,796	70,168	63,708	61,661	59,142	56,391	50,724
Indiana	12,054	11,500	12,077	11,902	11,283	11,481	10,617	10,081	8,692	7,841
Kansas	113,453	112,241	112,076	109,107	106,252	104,733	103,738	99,200	94,505	88,716
Kentucky	21,147	18,344	17,789	18,344	19,772	19,386	18,066	15,535	14,036	12,924
Louisiana	400,832	424,962	477,153	515,057	549,698	594,853	674,318	774,527	817,426	844,603
Michigan	15,899	18,901	17,114	15,972	15,601	14,728	14,273	13,664	12,974	12,213
Mississippi	51,673	54,688	55,713	58,619	56,777	56,183	55,227	54,147	58,708	64,283
Missouri	75	72	55	53	65	73	97	75	65	67
Montana	30,240	30,906	31,648	30,870	30,647	32,778	35,380	34,959	48,460	43,954
Nebraska	23,825	24,369	24,894	21,846	19,113	17,216	13,850	13,373	13,183	12,106
Nevada	27	154	141	118	255	209	307	279	271	223
New Mexico	107,380	112,553	109 328	109,941	113,863	119,166	124,154	126,144	128,550	129,227
New York	1,813	1,658	1,589	1,679	1,874	1,632	1,735	1,972	1,532	1,256
North Dakota	21,992	23,652	25,181	25,030	25,731	26,350	27,126	25,315	25,040	22,703
Ohio	5,405	5,639	5,835	6,039	15,859	12,908	10,899	9,924	11,204	10,972
Oklahoma	192,913	193,081	202,732	201,962	202,524	203,441	224,839	230,749	223,623	224,729
Pennsylvania	6,009	5,643	5,302	5,083	5,113	4,922	4,337	4,387	4,160	4,448
South Dakota	281	233	169	215	247	219	239	211	187	158
Tennessee	20	17	14	16	10	11	7	7	6	32
Texas	927,479	939,191	943,328	977,835	989,525	1,000,749	1,052,706	1,119,962	1,133,380	1,151,775
Utah	37,594	33,118	31,029	33,435	28,575	25,298	24,112	24,048	23,504	23,295
Virginia	2	2	3	3	6	4	1	3	3	1
West Virginia	2,300	2,760	3,470	3,350	3,370	3,530	3,674	3,561	3,312	3,104
Wyoming	133,910	141,937	135,847	144,407	138,752	138,314	134,470	136,312	144,250	154,945
Total U.S.	**2,574,933**	**2,621,758**	**2,676,189**	**2,752,723**	**2,786,822**	**2,848,514**	**3,027,763**	**3,215,742**	**3,329,042**	**3,371,751**

U.S. Crude Oil Production
By State
Thousands of barrels

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	7,263	7,832	9,934	11,677	13,323	13,477	14,706	18,252	19,829	19,161
Alaska	83,616	79,494	72,893	72,323	70,603	69,834	63,398	169,201	448,620	511,335
Arizona	1,784	1,236	993	804	740	635	519	427	418	472
Arkansas	18,035	18,263	18,519	18,016	16,527	16,133	18,097	20,202	20,329	18,869
California	372,191	358,484	347,022	336,075	323,003	322,199	326,021	349,609	347,181	352,268
Central Coastal	81,062	85,978	77,333	78,720	75,603	72,943	68,978	67,420	63,052	60,564
East Central	133,437	128,949	127,139	124,458	121,171	125,753	144,173	179,554	189,930	203,120
North	583	652	667	705	546	474	419	359	321	241
South	157,109	142,905	141,883	132,192	125,683	123,029	112,451	102,276	93,878	88,343
Colorado	24,723	27,391	32,015	36,590	37,508	38,089	38,992	39,460	36,797	32,324
Florida	2,999	5,347	16,897	32,695	36,351	41,877	44,460	46,641	47,536	47,168
Illinois	43,747	39,084	34,874	30,669	27,553	26,067	26,272	25,608	23,362	21,793
Indiana	7,487	6,658	6,130	5,312	4,919	4,632	4,630	5,314	4,689	4,715
Kansas	84,853	78,532	73,744	66,227	61,691	59,106	58,714	57,496	56,586	56,995
Kentucky	11,575	10,692	9,702	8,687	7,837	7,556	7,483	6,581	5,724	5,514
Louisiana	906,907	935,243	891,827	831,524	737,324	650,840	606,501	562,905	532,740	489,687
Gulf Coast	859,569	889,828	847,554	791,760	698,488	613,502	568,274	526,013	497,513	457,747
Rest of State	47,338	45,415	44,273	39,764	38,836	37,338	38,227	36,892	35,227	31,940
Michigan	11,693	11,893	12,990	14,614	18,021	24,420	30,421	32,965	34,667	34,862
Mississippi	65,119	64,066	61,100	56,102	50,779	46,614	46,072	43,022	42,024	37,327
Missouri	66	66	60	60	56	57	61	60	54	91
Montana	37,879	34,599	33,904	34,620	34,554	32,844	32,814	32,680	30,467	29,957
Nebraska	11,451	10,062	8,705	7,240	6,611	6,120	6,182	5,968	5,862	6,068
Nevada	149	113	100	96	129	115	143	661	1,156	1,235
New Mexico	128,184	118,412	110,525	100,986	98,695	95,063	92,130	87,223	83,365	79,649
East	119,497	109,597	101,920	93,416	90,695	88,565	86,132	81,296	77,288	73,455
West	8,687	8,815	8,605	7,570	8,000	6,498	5,998	5,927	6,077	6,194
New York	1,194	1,126	1,018	967	896	875	857	824	852	855
North Dakota	21,998	21,653	20,624	20,235	19,697	20,452	21,725	23,273	24,812	30,914
Ohio	9,864	8,286	9,358	8,796	9,088	9,578	9,994	10,359	11,154	11,953
Oklahoma	223,574	213,313	207,633	191,204	177,785	163,123	161,426	156,382	150,456	143,642
Pennsylvania	4,093	3,798	3,441	3,282	3,478	3,264	3,019	2,715	2,887	2,874
South Dakota	160	233	219	275	494	472	447	632	869	846
Tennessee	309	398	198	201	769	682	598	820	593	614
Texas	1,249,697	1,222,926	1,301,685	1,294,671	1,262,126	1,221,929	1,189,523	1,137,880	1,074,050	1,018,094
Dist. 1	18,197	22,591	24,495	21,143	19,138	18,388	21,924	25,705	22,518	19,129
Dist. 2	82,136	76,428	81,805	77,449	71,590	67,827	65,338	61,396	58,704	52,755
Dist. 3	171,058	162,369	178,802	175,847	174,996	166,538	160,285	154,645	143,562	129,065
Dist. 4	89,356	77,349	68,115	60,091	51,487	44,501	38,868	34,343	31,628	30,968
Dist. 5	17,196	26,920	33,357	32,763	20,995	20,247	19,184	16,297	13,347	11,724
Dist. 6 *	81,224	74,249	85,092	79,785	84,828	81,570	77,279	66,199	58,280	53,553
Dist. 7B	38,133	36,490	37,995	36,232	36,190	35,015	33,687	32,441	29,999	28,266
Dist. 7C	43,696	43,200	42,080	39,826	31,118	39,225	38,846	29,584	30,463	30,594
Dist. 8	299,224	289,958	290,874	280,851	274,436	250,250	250,779	260,872	253,057	248,706
Dist. 8A	253,633	267,506	312,720	346,984	361,758	369,978	358,283	336,174	317,420	300,982
Dist. 9	54,656	51,855	49,711	45,950	42,080	38,768	37,304	35,842	34,404	33,151
Dist. 10	28,513	26,151	24,445	22,271	21,308	20,598	20,659	19,884	18,623	18,889
East Texas field	72,675	67,860	72,194	75,479	72,202	69,024	67,087	64,498	62,045	60,312
Utah	23,370	23,630	26,570	32,656	39,363	42,301	34,304	33,113	31,368	27,728
Virginia	1	1	0	0	3	3	3	2	2	4
West Virginia	3,124	2,969	2,677	2,385	2,665	2,479	2,519	2,518	2,382	2,406
Wyoming	160,345	148,114	140,011	141,914	139,997	135,943	134,149	136,472	137,385	131,890
Total U.S.	**3,517,450**	**3,453,914**	**3,455,368**	**3,360,903**	**3,202,585**	**3,056,779**	**2,976,180**	**3,009,265**	**3,178,216**	**3,121,310**

* Excluding East Texas field.

U.S. Crude Oil Production
By State
Thousands of barrels

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	22,153	20,680	20,014	18,746	19,804	21,581	21,122	20,607	20,797	19,813
Alaska	591,646	587,337	618,910	625,527	630,401	666,233	681,310	715,955	783,143	717,055
North Slope	NA	556,265	591,506	600,758	608,418	649,287	663,736	699,806	722,447	668,611
Rest of State	NA	31,072	27,404	24,769	21,983	16,946	17,574	16,149	15,696	15,369
Arkansas	18,210	18,352	18,849	18,849	18,730	19,044	15,778	14,230	13,606	11,261
Arizona	406	357	335	237	215	175	161	131	113	138
California	356,923	384,958	401,572	404,688	412,020	423,877	406,665	397,228	386,014	331,174
Central Coastal	58,505	67,663	76,475	75,783	76,068	75,071	68,056	NA	NA	NA
East Central	215,077	236,073	244,087	250,720	256,406	270,540	268,881	NA	NA	NA
North	309	209	199	180	184	185	188	NA	NA	NA
South	83,032	81,013	80,811	78,005	79,362	78,081	69,540	NA	NA	NA
Colorado	29,802	30,303	30,545	29,050	28,845	30,246	29,309	29,360	32,352	30,655
Florida	42,886	34,773	25,626	19,476	14,462	11,458	9,383	8,270	7,746	7,289
Illinois	22,702	24,090	27,710	29,200	28,868	30,265	27,245	24,096	22,476	20,377
Indiana	4,978	4,721	5,563	5,321	5,526	5,168	4,759	3,902	3,665	3,310
Kansas	60,151	65,810	70,525	71,594	75,729	75,407	67,034	60,544	58,824	55,484
Kentucky	5,946	6,548	7,349	7,886	7,777	7,790	6,475	5,752	5,458	5,414
Louisiana	469,141	449,315	458,395	479,569	515,268	508,239	512,108	482,898	445,484	404,915
Gulf Coast	436,705	414,359	423,131	446,032	482,562	476,933	482,992	NA	NA	NA
Rest of State	32,436	34,956	35,264	33,537	32,706	31,306	29,116	NA	NA	NA
Michigan	33,808	32,665	31,462	31,736	30,554	27,300	25,688	25,971	23,250	21,566
Missouri	130	226	202	269	285	243	110	135	156	136
Mississippi	35,945	34,204	33,047	31,455	32,776	30,641	29,997	28,351	27,553	27,403
Montana	29,584	30,813	30,921	29,225	29,761	29,768	27,072	25,113	23,338	20,956
Nebraska	6,240	6,671	6,872	6,380	6,452	6,943	7,098	6,091	5,978	6,232
New Mexico	75,324	71,568	71,024	75,169	79,336	78,530	75,712	72,328	71,235	68,713
East	69,212	64,853	64,609	68,658	71,947	70,534	67,428	NA	NA	NA
West	6,112	6,715	6,415	6,511	7,389	7,996	8,284	NA	NA	NA
Nevada	880	700	613	810	1,907	3,039	2,907	3,112	3,230	3,218
New York	824	841	834	831	840	1,071	853	710	566	495
North Dakota	40,337	45,424	47,271	50,690	52,652	50,857	45,628	41,364	39,343	36,744
Ohio	12,928	13,551	14,571	14,971	15,271	14,988	13,442	12,153	11,711	10,219
Oklahoma	150,140	154,056	158,621	158,604	168,385	162,739	149,105	134,378	128,874	117,493
Pennsylvania	2,651	3,729	4,282	4,282	4,284	4,851	3,783	3,302	2,830	2,702
South Dakota	765	973	1,158	1,172	1,340	1,596	1,586	1,644	1,657	1,613
Tennessee	743	918	1,132	1,056	920	786	644	614	601	532
Texas	977,436	945,132	925,296	902,676	904,774	888,831	839,606	780,687	754,475	715,476
Dist. 1	19,557	23,049	25,828	24,684	26,226	26,756	24,081	NA	NA	NA
Dist. 2	47,226	42,402	39,955	40,132	39,527	39,320	35,270	NA	NA	NA
Dist. 3	129,863	133,736	133,968	127,595	124,109	116,908	107,900	NA	NA	NA
Dist. 4	30,538	29,549	28,400	27,583	29,615	29,872	28,431	NA	NA	NA
Dist. 5	10,444	8,863	8,012	8,996	8,258	9,492	11,755	NA	NA	NA
Dist. 6 *	49,063	44,959	42,097	41,849	42,685	41,921	39,668	NA	NA	NA
Dist. 7B	28,915	30,171	32,656	34,075	36,050	37,518	33,969	NA	NA	NA
Dist. 7C	31,622	31,746	33,638	34,334	36,160	37,827	35,537	NA	NA	NA
Dist. 8	240,537	235,455	231,273	228,451	234,589	235,250	223,645	NA	NA	NA
Dist. 8A	278,044	253,798	238,130	224,381	215,609	206,583	200,176	NA	NA	NA
Dist. 9	34,161	35,436	37,485	38,352	40,487	39,859	36,252	NA	NA	NA
Dist. 10	19,016	19,743	20,979	21,205	22,349	20,598	18,469	NA	NA	NA
East Texas field	58,450	56,225	52,875	51,039	49,110	46,927	44,453	NA	NA	NA
Utah	24,978	25,860	22,440	29,534	34,689	40,792	39,172	35,788	33,018	28,416
Virginia	10	13	49	65	32	26	18	17	25	21
West Virginia	2,336	3,473	3,227	3,628	3,524	3,555	3,145	2,835	2,621	2,243
Wyoming	126,362	130,563	118,300	118,303	124,269	128,514	121,337	115,922	113,985	107,713
Total U.S.	**3,146,365**	**3,128,624**	**3,156,715**	**3,170,999**	**3,249,696**	**3,274,553**	**3,168,252**	**3,053,488**	**2,979,123**	**2,778,773**

* Excluding East Texas field.
1987-1989 data for California, Louisiana and Texas are estimated by Oil & Gas Journal by adding estimated federal offshore production to reported EIA figures.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, American Petroleum Institute, Energy Information Administration

Crude Oil Production from Stripper Wells
Thousands of barrels

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Alabama	139	121	144	125	122	158	173	172	189	191	193	301
Arizona	7	5	4	16	23	24	26	29	28	25	30	29
Arkansas	6,172	7,754	7,231	5,689	5,465	5,132	7,118	5,653	5.286	5,114	4,888	6,688
California	51,410	49,558	45,521	44,110	54,804	55,419	55,993	57,125	41,573	37,182	37,796	38,076
Colorado	2,017	2,018	1,955	1,989	2,159	2,204	3,630	3,330	2,682	6,216	7,323	6,610
Illinois	23,614	21,160	20,325	20,167	22,238	23,989	25,890	25,984	27,719	24,157	21,682	20,026
Indiana	5,255	4,560	4,557	4,019	4,781	4,568	4,336	4,401	4,104	3,827	3,657	3,576
Kansas	44,190	44,461	43,948	44,545	45,010	47,629	48,267	48,665	50,861	61,435	57,803	57,051
Kentucky	5,421	4,713	4,549	4,573	4,479	5,144	5,522	6,630	6,696	5,514	4,882	4,564
Louisiana	7,740	7,916	7,681	7,657	9,012	9,172	9,000	9,844	9,000	10,059	8,810	8,242
Michigan	6,233	5,602	5,620	4,717	2,449	2,820	3,145	3,228	3,272	2,782	2,674	3,891
Mississippi	1,349	1,233	1,601	1,890	3,805	2,237	1,286	1,330	1,721	1,121	1,270	780
Missouri	60	53	54	127	226	52	271	271	250	182	101	147
Montana	3,255	2,805	2,830	2,710	2,748	2,881	3,104	2,577	2,937	2,709	2,651	2,564
Nebraska	2,012	2,025	1,865	2,237	2,510	2,879	3,418	2,974	2,947	2,617	2,688	2,446
Nevada	0	0	0	9	0	0	0	0	0	NA	NA	NA
New Mexico	11,547	11,831	12,068	12,924	13,463	14,207	14,722	15,016	15,367	14,747	14,377	14,653
New York	813	852	855	824	849	719	774	680	601	489	511	485
North Dakota	1,146	1,196	1,250	1,225	1,386	1,492	1,537	1,756	1,905	1,693	1,833	1,898
Ohio	7,251	7,808	8,367	9,049	9,486	10,199	10,480	10,690	10,491	9,767	8,829	8,508
Oklahoma	74,400	74,175	76,000	79,945	83,249	94,237	94,430	94,046	91,842	95,903	109,082	109,440
Pennsylvania	2,659	2,565	2,816	2,650	3,606	3,718	3,951	4,242	4,257	3,356	2,870	2,583
South Dakota	15	16	22	25	39	55	44	82	65	34	57	39
Tennessee	194	270	387	294	291	NA	584	510	451	475	445	489
Texas	127,886	131,211	136,590	141,825	145,940	143,929	153,689	152,720	158,738	147,986	141,704	140,504
Utah	136	135	180	220	377	NA	543	1,089	1,550	878	935	933
Virginia	2	2	4	10	13	49	22	27	21	14	16	16
West Virginia	2,384	2,255	2,382	2,313	2,607	2,683	3,117	3,270	3,346	2,988	2,765	2,572
Wyoming	5,225	5,333	5,597	5,211	5,367	6,354	6,944	7,119	7,983	7,984	6,963	5,690
Total U.S.	**392,532**	**391,633**	**394,405**	**401,095**	**426,502**	**441,951**	**462,013**	**463,459**	**455,882**	**449,446**	**446,837**	**371,072**

Data from Oil & Gas Journal Energy Database.
Source: National Stripper Well Association

Percent of Crude Oil
Produced by Stripper Wells

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Alabama	NA	0.4	0.0	0.9	1.1	0.8	0.6	0.7	0.6	0.5	2.0	2.0	2.0	2.0	0.9	1.4
Arizona	1.8	0.1	0.0	0.9	1.1	1.6	1.2	0.8	3.9	6.3	7.0	11.0	16.0	16.0	23.0	25.5
Arkansas	39.3	37.0	40.8	18.8	28.7	30.5	38.1	38.3	31.2	29.7	32.0	35.0	27.0	32.0	34.4	49.2
California	18.9	18.3	24.0	18.8	16.0	14.7	14.3	12.9	12.4	14.2	15.0	14.0	10.0	10.0	9.6	9.9
Colorado	6.3	5.3	4.9	5.1	5.2	5.1	5.5	6.0	6.6	7.1	7.0	13.0	9.0	24.0	25.4	20.4
Illinois	95.0	94.0	94.4	96.7	94.9	92.2	90.6	93.2	88.8	92.3	87.0	89.0	96.0	89.0	90.4	89.1
Indiana	99.7	98.9	100.0	87.0	96.6	98.9	97.2	96.6	80.7	85.9	98.0	84.0	79.0	80.0	97.8	97.6
Kansas	68.4	69.4	75.5	74.0	75.7	76.9	78.6	77.1	74.1	68.3	68.0	67.0	67.0	92.0	96.5	97.0
Kentucky	94.1	86.2	82.5	81.8	82.5	82.4	82.3	82.4	76.9	68.4	70.0	70.0	86.0	85.0	85.0	83.6
Louisiana	0.9	0.9	1.0	1.2	1.3	1.4	1.5	1.5	1.6	2.0	5.0	6.0	7.0	7.0	1.8	1.9
Michigan	37.2	33.3	27.1	19.5	15.1	18.9	16.2	16.1	14.4	7.4	9.0	10.0	11.0	8.0	10.3	16.7
Mississippi	0.7	0.8	1.1	1.4	2.6	3.1	2.9	4.2	5.3	11.1	7.0	4.0	6.0	4.0	4.5	2.8
Missouri	98.9	100.0	100.0	100.0	98.8	99.2	98.7	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	94.1
Montana	5.6	6.2	5.9	10.9	9.0	10.0	9.2	9.4	9.2	8.9	9.0	10.0	10.0	10.0	10.6	11.0
Nebraska	12.9	16.5	20.9	25.3	28.4	33.7	34.5	30.7	35.9	37.6	52.0	54.0	42.0	37.0	44.1	40.9
New Mexico	9.1	10.1	10.4	11.7	12.1	13.2	14.2	15.1	17.2	18.8	21.0	21.0	21.0	20.0	19.9	20.6
New York	100.0	100.0	100.0	100.0	100.0	98.7	99.8	100.0	100.0	100.0	86.0	81.0	56.0	57.0	72.0	85.7
North Dakota	3.9	88.3	4.7	4.6	4.9	4.9	4.8	4.0	3.0	3.0	3.0	3.0	4.0	4.0	4.4	4.8
Ohio	70.0	70.0	70.0	70.0	70.0	70.0	70.0	69.9	70.0	70.0	70.0	70.0	70.0	73.0	72.7	72.6
Oklahoma	37.6	38.7	41.7	44.5	45.5	47.6	49.3	52.9	53.3	54.0	64.0	61.0	61.0	64.0	81.2	84.9
Pennsylvania	100.0	100.0	97.7	98.0	97.7	98.0	88.8	97.9	100.0	96.7	87.0	88.0	88.0	89.0	86.9	91.3
South Dakota	11.8	9.8	4.3	3.8	4.6	2.3	1.9	2.6	3.3	4.0	4.8	4.0	4.0	2.0	3.5	2.9
Tennessee	12.4	22.4	14.0	18.4	23.5	23.7	45.5	63.0	39.5	31.6	41.0	51.0	57.0	74.0	72.4	81.3
Texas	9.0	8.7	10.0	10.3	10.9	11.2	12.2	13.4	14.5	9.4	17.0	18.0	19.0	18.0	18.3	18.4
Utah	0.4	0.4	0.3	0.2	0.8	0.4	0.4	0.6	0.8	1.4	1.5	2.0	4.0	2.0	2.6	2.8
Virginia	100.0	100.0	100.0	100.0	89.9	87.1	100.0	100.0	95.1	100.0	100.0	100.0	77.0	78.0	93.7	62.8
West Virginia	100.0	100.0	100.0	99.9	95.3	94.7	94.7	99.0	99.0	99.0	99.0	91.0	100.0	100.0	97.5	98.1
Wyoming	2.1	1.3	1.4	3.8	3.6	3.8	3.9	4.2	4.2	4.1	5.0	6.0	6.0	7.0	6.0	5.0
Total U.S.	**11.5**	**12.9**	**12.9**	**13.2**	**13.1**	**12.3**	**12.6**	**12.7**	**13.1**	**14.0**	**14.6**	**14.3**	**14.0**	**14.0**	**14.7**	**14.9**

Data from Oil & Gas Journal Energy Database.
Source: Independent Petroleum Association of America

Worldwide Crude Oil Production
By Country
Thousands of barrels per day

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
United States	**9,658.9**	**9,636.8**	**9,521.7**	**9,210.1**	**8,888.3**	**8,348.6**	**8,094.9**	**8,231.7**	**8,670.2**	**8,678.1**
Canada	**1,305.1**	**1,381.9**	**1,541.3**	**1,808.3**	**1,707.8**	**1,456.8**	**1,325.9**	**1,458.9**	**1,343.3**	**1,518.6**
Argentina	384.4	417.3	435.9	419.7	416.6	392.1	388.2	436.2	450.6	472.3
Bolivia	14.2	37.2	40.9	46.8	50.4	39.9	42.9	37.9	34.2	31.8
Brazil	168.3	170.4	165.9	166.9	176.3	181.4	171.9	168.3	163.6	163.4
Chile	36.8	34.9	34.4	33.0	30.2	25.0	25.0	24.3	19.2	19.9
Colombia	235.8	228.3	216.7	197.5	175.4	158.8	149.4	138.3	141.7	129.0
Ecuador*	4.6	4.0	67.0	199.4	166.6	161.3	186.7	180.3	201.9	222.3
Mexico	420.0	433.7	444.0	471.7	557.1	722.3	804.6	996.1	1,206.9	1,461.8
Peru	64.0	62.5	64.2	69.8	75.0	74.2	75.0	88.3	156.3	190.2
Trinidad	147.1	139.2	149.6	164.6	173.3	197.2	205.0	230.8	234.2	211.8
Venezuela *	3,704.1	3,542.9	3,218.6	3,355.3	2,968.3	2,348.3	2,293.4	2,233.3	2,141.8	2,361.5
Other Latin America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Latin America	**5,179.3**	**5,070.4**	**4,837.1**	**5,124.6**	**4,789.2**	**4,300.3**	**4,342.1**	**4,533.7**	**4,750.3**	**5,263.9**
Western Hemisphere	**16,143.3**	**16,089.1**	**15,900.0**	**16,143.0**	**15,385.3**	**14,105.6**	**13,762.9**	**14,224.3**	**14,763.8**	**15,460.6**
Austria	51.8	49.1	44.8	48.0	47.1	39.9	36.5	35.0	35.0	35.0
Denmark	0.0	0.0	3.7	4.0	3.8	3.6	3.0	5.8	10.0	10.5
France	48.3	38.8	31.7	27.9	25.0	21.0	20.0	20.1	20.0	20.0
Germany, Fed. Rep.	147.2	145.6	138.1	129.2	121.8	112.3	110.0	105.1	100.5	95.1
Greece	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Italy	29.0	24.1	22.0	18.9	17.9	19.3	18.8	19.3	17.0	29.9
Netherlands	38.1	32.9	31.3	29.4	30.1	30.5	30.8	29.8	29.6	29.5
Norway	0.0	6.2	33.0	33.1	34.7	188.7	278.8	279.9	355.8	403.6
Spain	4.6	2.5	2.5	19.7	34.4	35.8	40.0	25.2	17.9	18.3
Turkey	69.5	66.0	68.0	68.8	65.8	63.2	64.8	62.1	50.0	51.7
United Kingdom	1.9	1.6	1.6	2.0	2.0	19.3	241.1	767.6	1,081.6	1,571.3
Western Europe	**390.4**	**366.7**	**376.6**	**381.0**	**382.6**	**533.6**	**843.8**	**1,349.8**	**1,717.4**	**2,264.8**
Algeria*	975.4	650.8	1,008.3	1,056.7	926.7	875.0	1,004.2	1,030.8	1,093.8	1,102.1
Angola/Cabinda	83.8	109.6	139.0	152.2	167.9	162.6	138.3	177.5	166.3	136.7
Cameroon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	18.3
Congo	0.5	0.5	5.2	39.2	35.8	36.3	39.8	35.4	33.0	43.2
Egypt	326.2	299.3	216.7	172.9	142.3	214.3	325.5	416.9	483.8	506.7
Gabon*	104.2	115.2	114.7	151.0	175.6	200.0	212.5	224.2	225.0	215.3
Ivory Coast	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lybia*	3,323.3	2,763.9	2,215.9	2,187.9	1,542.0	1,498.1	1,915.2	2,047.0	1,987.3	2,059.3
Nigeria*	1,083.7	1,526.3	1,816.9	2,043.7	2,246.2	1,777.8	2,070.3	2,089.5	1,916.3	2,307.0
Tunisia	81.8	85.3	84.5	84.4	83.2	96.7	77.4	100.0	100.0	100.0
Zaire	0.0	0.0	0.0	0.0	0.0	1.7	18.3	22.5	22.9	20.6
Other Africa	1.6	0.9	0.5	0.3	1.2	1.0	1.0	1.0	1.0	1.0
Africa	**5,980.4**	**5,551.7**	**5,601.7**	**5,888.3**	**5,320.8**	**4,863.4**	**5,802.6**	**6,144.8**	**6,038.6**	**6,510.2**

Worldwide Crude Oil Production
By Country
Thousands of barrels per day

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Bahrain	76.6	74.9	69.8	68.3	67.4	61.4	58.3	56.0	53.3	50.1
Iran*	3,831.4	4,530.2	4,937.5	5,862.0	6,025.9	5,355.1	5,881.7	5,665.8	5,210.3	3,029.2
Iraq*	1,563.5	1,719.9	1,448.1	1,963.0	1,772.8	2,246.1	2,160.8	2,233.3	2,629.2	3,450.0
Kuwait*	2,734.1	2,947.0	3,280.1	3,019.1	2,548.6	2,071.3	1,915.0	1,721.8	1,864.8	2,199.2
Neutral Zone* +	498.3	541.8	0.0	0.0	0.0	34.1	471.0	365.5	456.9	566.4
- Oman	333.2	289.2	281.7	292.7	290.5	341.5	365.6	340.8	314.7	294.8
Qatar*	367.2	428.9	481.9	573.3	518.8	441.4	486.4	439.1	483.1	506.4
Saudi Arabia*	3,549.7	4,516.4	6,012.7	7,593.0	8,478.3	7,054.8	8,341.3	9,025.0	8,062.5	9,250.0
Syria	65.0	109.0	120.0	100.0	134.6	165.4	175.0	202.5	190.4	169.2
United Arab Emirates*	777.9	1,048.3	1,202.3	1,522.8	1,680.7	1,691.3	1,939.9	2,012.3	1,833.1	1,830.4
Yemen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Middle East	70.4	130.2	120.0	92.5	100.0	75.0	1.0	1.0	11.0	33.8
Middle East	**13,867.2**	**16,335.8**	**17,954.1**	**21,086.7**	**21,617.5**	**19,537.3**	**21,795.9**	**22,063.1**	**21,109.3**	**21,379.4**
Australia	166.5	327.1	336.5	419.0	406.4	412.3	425.9	430.8	431.6	439.8
Brunei	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
India	138.8	141.4	147.9	149.2	150.0	161.3	174.2	200.0	225.8	245.0
Indonesia*	854.6	903.7	1,056.5	1,300.1	1,393.6	1,319.5	1,505.9	1,685.6	1,643.3	1,598.6
Japan	16.0	16.3	15.4	15.0	15.0	13.0	12.0	10.0	10.0	9.3
Malaysia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myanmar (Burma)	17.5	18.8	18.3	20.5	20.0	20.0	21.3	24.7	25.0	27.2
New Zealand	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pakistan	10.0	10.0	9.1	8.8	8.5	7.8	6.9	10.0	10.0	10.0
Thailand	0.3	0.4	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0
Other Asia-Pacific	1.1	2.0	2.0	2.0	2.3	4.1	5.0	5.0	5.0	6.3
Asia-Pacific	**1,204.7**	**1,419.8**	**1,586.0**	**1,914.8**	**1,996.0**	**1,938.0**	**2,151.2**	**2,366.1**	**2,350.8**	**2,336.2**
Eastern Hemisphere	**21,442.6**	**23,674.0**	**25,518.4**	**29,270.7**	**29,316.9**	**26,872.3**	**30,593.4**	**31,923.8**	**31,216.0**	**32,490.6**
Non-Communist	**37,585.9**	**39,763.1**	**41,418.4**	**45,413.7**	**44,702.1**	**40,977.9**	**44,356.3**	**46,148.0**	**45,979.8**	**47,951.2**
China	210.0	326.7	525.8	645.8	970.0	1,450.0	1,652.1	1,780.8	1,916.7	2,129.2
Romania	270.0	270.0	275.4	276.3	285.8	290.0	290.0	276.3	300.0	276.7
U.S.S.R.	7,048.6	7,435.3	7,850.3	8,417.8	9,164.0	9,823.3	10,359.3	10,926.9	11,416.6	11,706.3
Other Communist	81.3	88.3	85.0	100.4	110.0	110.0	110.0	110.0	190.0	186.7
Communist	**7,609.8**	**8,120.3**	**8,736.5**	**9,440.3**	**10,529.8**	**11,[illegible]3.3**	**12,411.3**	**13,094.0**	**13,823.3**	**14,298.8**
Total World	**45,195.8**	**47,883.4**	**50,154.9**	**54,854.0**	**55,231.9**	**52,651.3**	**56,767.7**	**59,242.0**	**59,803.0**	**62,250.0**
OPEC	**23,371.9**	**25,239.3**	**26,860.5**	**30,827.3**	**30,443.9**	**27,073.9**	**30,384.3**	**30,953.3**	**29,749.2**	**30,697.8**
North Sea	NA	7.8	38.2	39.1	40.5	230.9	522.9	1,053.3	1,447.4	1,985.3

Worldwide Crude Oil Production
By Country
Thousands of barrels per day

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
United States	**8,586.8**	**8,580.6**	**8,656.7**	**8,674.1**	**8,878.8**	**8,972.1**	**8,684.5**	**8,295.3**	**8,078.1**	**7,632.6**
Canada	**1,410.1**	**1,285.5**	**1,240.9**	**1,383.9**	**1,405.7**	**1,455.8**	**1,463.7**	**1,513.5**	**1,610.0**	**1,575.0**
Argentina	487.2	496.4	484.3	478.9	467.3	448.2	429.5	421.8	449.9	459.5
Bolivia	29.7	24.7	26.0	20.3	20.3	20.8	18.7	18.8	19.0	19.8
Brazil	186.2	214.7	256.3	328.0	458.7	546.4	575.2	566.3	552.8	596.4
Chile	29.7	40.2	43.3	39.3	38.2	33.4	31.3	27.7	24.8	22.3
Colombia	125.0	125.0	140.0	150.9	167.1	175.5	305.6	385.9	374.9	409.3
Ecuador*	222.1	211.5	209.2	233.0	258.8	275.7	285.0	173.9	303.9	279.3
Mexico	1,940.5	2,311.8	2,745.8	2,686.8	2,752.8	2,734.0	2,425.3	2,540.7	2,605.3	2,612.9
Peru	191.6	193.5	195.8	170.5	183.8	188.4	177.6	163.9	141.8	129.9
Trinidad	215.6	240.0	181.0	162.2	169.6	176.4	167.4	160.5	150.7	152.7
Venezuela*	2,157.2	2,108.6	1,889.0	1,775.8	1,710.3	1,645.8	1,635.8	1,580.8	1,648.6	1,727.6
Other Latin America	4.6	5.0	5.0	6.4	4.7	3.1	4.9	3.6	6.2	8.5
Latin America	**5,589.2**	**5,971.3**	**6,175.8**	**6,051.9**	**6,231.3**	**6,247.7**	**6,056.3**	**6,044.0**	**6,277.8**	**6,418.3**
Western Hemisphere	**15,586.0**	**15,837.3**	**16,073.3**	**16,109.9**	**16,515.8**	**16,675.6**	**16,204.4**	**15,852.8**	**15,965.9**	**15,625.9**
Austria	28.7	25.0	25.0	24.0	23.1	21.8	22.2	21.5	23.7	22.5
Denmark	7.3	15.3	35.3	43.3	45.4	58.9	73.1	93.3	95.8	111.6
France	26.7	34.0	33.5	35.0	35.0	50.8	58.8	64.1	67.3	65.0
Germany, Fed. Rep.	89.8	85.4	82.2	30.9	79.6	81.4	79.4	74.9	77.3	74.3
Greece	1.3	7.9	21.0	23.8	26.3	26.2	24.5	23.8	20.7	18.3
Italy	38.6	36.8	36.8	45.0	45.0	38.0	49.0	58.3	83.8	86.5
Netherlands	25.3	26.6	27.8	49.8	60.6	66.8	76.3	90.9	75.6	67.3
Norway	526.6	502.0	490.5	610.0	692.0	783.3	850.4	993.5	1,098.7	1,472.3
Spain	29.6	24.0	30.0	58.0	47.0	45.3	37.4	32.5	29.3	20.3
Turkey	43.9	46.7	50.0	43.9	40.9	41.6	46.5	51.3	47.3	55.3
United Kingdom	1,626.4	1,811.2	2,061.2	2,284.7	2,501.1	2,533.1	2,534.8	2,441.0	2,269.3	1,780.9
Western Europe	**2,444.0**	**2,614.8**	**2,893.2**	**3,298.3**	**3,596.0**	**3,747.2**	**3,852.3**	**3,945.2**	**3,888.6**	**3,774.4**
Algeria*	1,004.2	812.5	774.6	685.0	608.3	647.1	622.0	652.4	641.7	706.7
Angola/Cabinda	148.3	130.0	121.9	172.3	207.8	229.5	277.3	351.0	451.0	458.5
Cameroon	58.7	87.8	109.0	114.1	125.2	133.8	180.4	170.8	177.5	170.8
Congo	57.9	78.5	87.0	87.0	157.5	97.9	115.0	118.7	134.9	151.8
Egypt	594.7	598.3	667.8	726.5	784.9	891.6	810.3	898.3	848.1	854.5
Gabon*	178.2	150.8	140.8	148.3	150.0	152.5	159.0	157.3	167.1	213.3
Ivory Coast	1.0	5.2	5.8	22.8	27.0	28.0	20.0	17.5	11.3	3.7
Lybia*	1,707.9	1,107.5	1,200.0	1,018.3	1,091.7	1,047.5	1,037.3	1,093.8	1,025.0	1,129.2
Nigeria*	2,011.0	1,436.7	1,289.7	1,233.8	1,418.8	1,481.7	1 464.0	1,254.5	1,390.0	1,616.7
Tunisia	110.8	118.0	120.0	120.0	120.0	117.6	104.6	102.8	102.0	103.6
Zaire	20.5	19.5	22.0	24.0	27.1	27.2	22.1	31.0	29.3	27.0
Other Africa	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	3.5	4.3
Africa	**5,894.2**	**4,545.8**	**4,539.6**	**4,353.0**	**4,719.2**	**4,855.3**	**4,812.8**	**4,848.4**	**4,981.3**	**5,440.0**

Worldwide Crude Oil Production
By Country
Thousands of barrels per day

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Bahrain	48.2	44.5	43.9	41.3	41.2	41.8	42.0	42.4	42.8	42.7
Iran*	1,454.2	1,333.3	1,991.7	2,466.7	2,175.0	2,241.7	1,850.0	2,309.2	2,236.7	2,947.5
Iraq*	2,687.5	916.3	916.7	883.3	1,208.3	1,447.5	1,690.8	2,135.0	2,689.2	2,890.0
Kuwait*	1,323.6	940.0	666.7	887.5	945.8	862.5	1,241.7	1,120.8	1,333.3	1,591.7
Neutral Zone*	519.7	372.3	304.7	391.2	425.5	352.5	337.5	387.1	312.9	397.1
Oman	285.8	319.3	321.5	375.6	410.2	482.2	541.7	556.3	605.0	620.0
Qatar*	459.8	405.7	331.0	294.4	397.4	298.8	331.7	280.3	345.8	388.5
Saudi Arabia*	9,504.2	9,641.7	6,375.0	4,850.0	4,466.7	3,283.3	4,8[illegible].3	4,025.0	4,941.7	4,991.7
Syria	165.4	166.7	160.0	166.4	170.0	177.5	193.8	231.7	255.8	324.2
United Arab Emirates*	1,680.5	1,513.0	1,229.8	1,109.2	1,151.2	1,141.7	1,327.5	1,399.6	1,470.8	1,862.5
Yemen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	170.0	188.3
Other Middle East	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	0.3
Middle East	**18,129.7**	**15,653.6**	**12,341.8**	**11,466.5**	**11,392.3**	**10,330.4**	**12,390.9**	**12,488.3**	**14,405.3**	**16,244.4**
Australia	377.1	392.6	371.8	416.4	489.8	561.9	502.8	548.5	526.3	506.6
Brunei	224.6	165.0	153.0	155.0	160.0	154.2	165.0	143.8	137.2	142.4
India	192.5	291.0	390.3	430.0	528.3	605.4	625.0	610.3	634.8	675.8
Indonesia*	1,570.8	1,603.8	1,344.8	1,301.1	1,360.8	1,242.3	1,256.7	1,185.8	1,137.5	1,222.9
Japan	9.6	7.7	8.0	8.3	8.1	10.6	13.0	12.5	12.0	11.1
Malaysia	286.3	264.2	306.3	366.3	425.0	440.4	507.1	478.9	540.0	564.0
Myanmar (Burma)	30.0	30.0	30.0	30.0	30.0	30.0	30.0	23.7	15.0	12.5
New Zealand	7.3	9.6	14.8	14.8	16.8	18.8	28.6	28.3	28.0	28.0
Pakistan	10.0	10.0	12.0	12.3	17.4	34.0	40.8	42.3	47.2	46.7
Thailand	0.0	0.0	0.0	6.3	18.1	34.3	34.8	32.1	37.0	38.7
Other Asia-Pacific	4.5	3.0	3.0	3.0	3.0	2.4	2.0	2.3	7.9	8.0
Asia-Pacific	**2,712.6**	**2,776.8**	**2,633.9**	**2,743.4**	**3,057.3**	**3,134.2**	**3,205.8**	**3,108.4**	**3,122.9**	**3,256.6**
Eastern Hemisphere	**29,180.4**	**25,591.0**	**22,408.5**	**21,861.3**	**22,784.8**	**22,067.0**	**24,261.8**	**24,390.3**	**26,398.1**	**28,715.4**
Non-Communist	**44,766.4**	**41,428.3**	**38,481.8**	**37,971.2**	**39,280.6**	**38,742.6**	**40,466.3**	**40,243.0**	**42,364.0**	**44,341.3**
China	2,108.3	2,012.5	2,040.0	2,101.6	2,262.2	2,449.7	2,552.8	2,670.8	2,726.1	2,752.2
Romania	248.3	230.0	230.0	242.5	254.2	234.3	223.1	215.0	210.5	183.3
U.S.S.R.	12,023.3	12,174.2	12,279.2	12,328.8	12,234.5	11,904.3	12,298.7	12,464.8	12,480.3	12,166.5
Other Communist	189.2	179.2	155.0	214.2	235.2	234.5	212.0	210.2	220.1	214.0
Communist	**14,569.2**	**14,595.8**	**14,704.2**	**14,887.1**	**14,986.0**	**14,822.8**	**15,286.6**	**15,560.7**	**15,637.0**	**15,316.0**
Total World	**59,335.6**	**56,024.2**	**53,186.0**	**52,858.3**	**54,266.6**	**53,565.3**	**55,752.8**	**55,803.7**	**58,001.0**	**59,657.3**
OPEC	**26,480.6**	**22,553.5**	**18,663.4**	**17,277.5**	**17,368.5**	**16,120.4**	**18,072.3**	**17,755.6**	**19,644.2**	**21,964.6**
North Sea	2,155.4	2,323.6	2,583.5	2,952.8	3,265.4	3,412.2	3,500.4	3,578.2	3,513.9	3,402.3

* OPEC member

+ Production shared equally by Kuwait and Saudi Arabia. For years 1972-1975 production [illegible] included with Kuwait and Saudi Arabia.

Data from Oil & Gas Journal Energy Database
Source: Oil & Gas Journal

Worldwide Crude Oil Production
OPEC, Non-Communist, Total
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970													
OPEC	22,414	23,307	22,759	23,046	23,210	22,650	22,414	23,682	23,629	24,175	24,556	24,622	**23,372.0**
Non-Communist	36,365	37,333	36,738	37,010	37,082	36,457	36,292	37,964	38,185	38,733	39,433	39,440	**37,586.0**
Total World	43,725	44,773	44,195	44,481	44,636	44,074	43,940	45,636	46,045	46,433	47,201	47,211	**45,195.8**
1971													
OPEC	25,560	25,307	25,635	25,556	26,047	24,708	24,755	24,078	24,745	24,571	25,646	26,264	**25,239.3**
Non-Communist	40,478	40,115	40,384	40,079	40,493	39,305	39,385	38,488	39,200	38,815	39,845	40,571	**39,763.2**
Total World	48,296	47,980	48,320	48,017	48,447	47,210	47,455	46,417	47,638	47,293	48,312	49,217	**47,883.5**
1972													
OPEC	26,757	26,336	25,765	26,123	25,711	24,616	24,828	27,668	28,031	28,516	28,937	29,039	**26,860.5**
Non-Communist	41,116	40,920	40,317	40,577	40,089	38,962	39,354	42,466	42,553	43,242	43,580	43,846	**41,418.5**
Total World	49,602	49,478	48,921	49,219	48,787	47,677	48,123	51,235	51,463	52,058	52,480	52,817	**50,155.0**
1973													
OPEC	30,094	30,304	30,470	30,374	31,601	30,785	32,500	31,834	32,833	31,524	28,607	29,001	**30,827.3**
Non-Communist	44,920	44,972	45,157	45,029	46,232	45,576	47,187	46,500	47,409	45,782	42,933	43,269	**45,413.8**
Total World	53,962	54,045	54,265	54,190	55,501	54,927	56,651	55,969	57,087	55,556	52,778	53,319	**54,854.2**
1974													
OPEC	30,452	30,788	31,346	31,896	32,061	31,613	30,533	29,367	29,629	29,364	29,555	28,723	**30,443.9**
Non-Communist	44,846	45,216	45,838	46,186	46,333	45,843	44,774	43,553	43,800	43,593	43,518	42,925	**44,702.1**
Total World	55,044	55,304	56,036	56,464	56,760	56,341	55,281	53,895	54,493	54,562	54,559	54,044	**55,231.9**
1975													
OPEC	27,088	25,951	25,930	25,731	26,052	26,770	27,856	29,131	30,600	25,165	27,102	27,511	**27,073.9**
Non-Communist	41,194	39,931	39,709	39,270	39,563	40,721	41,952	43,076	44,567	39,143	40,986	41,623	**40,977.9**
Total World	52,384	51,225	51,087	50,655	50,988	52,227	53,698	54,916	56,593	51,182	53,061	53,799	**52,651.3**
1976													
OPEC	26,646	28,126	29,500	28,769	28,663	29,953	30,282	30,612	31,360	32,903	33,454	34,343	**30,384.3**
Non-Communist	40,499	41,895	43,082	42,272	42,410	43,998	44,345	44,669	45,437	47,088	47,556	49,025	**44,356.3**
Total World	52,581	53,965	55,274	54,518	54,704	56,487	56,733	57,127	57,950	59,788	60,266	61,819	**56,767.7**
1977													
OPEC	29,079	32,318	32,614	31,919	29,861	30,513	29,653	29,964	31,026	30,557	31,369	32,567	**30,953.3**
Non-Communist	43,774	47,208	47,556	46,581	44,718	45,634	44,542	45,397	46,534	46,154	47,118	48,560	**46,148.0**
Total World	56,581	60,037	60,547	59,569	57,733	58,695	57,637	58,516	59,669	59,480	60,475	61,965	**59,242.0**
1978													
OPEC	27,324	28,550	28,800	29,501	28,228	29,298	29,225	29,868	31,899	32,026	31,774	30,497	**29,749.2**
Non-Communist	42,993	44,318	44,681	45,539	44,423	45,815	45,409	46,141	48,072	48,465	48,551	47,350	**45,979.8**
Total World	56,448	57,843	58,230	59,244	58,140	59,565	59,243	60,026	62,046	62,605	62,741	61,505	**59,803.0**
1979													
OPEC	28,822	28,992	30,223	31,070	31,102	31,038	31,714	31,336	31,053	31,096	31,219	30,708	**30,697.8**
Non-Communist	45,738	45,953	47,123	48,188	48,240	48,384	49,107	48,625	48,458	48,435	48,745	48,418	**47,951.2**
Total World	59,978	60,143	61,313	62,508	62,180	62,564	63,320	62,973	62,702	62,943	63,308	63,068	**62,250.0**

Worldwide Crude Oil Production
OPEC, Non-Communist, Total
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980													
OPEC	29,681	29,915	28,832	27,804	27,174	27,489	27,028	26,838	25,469	23,009	24,029	20,499	**26,480.6**
Non-Communist	47,899	48,222	47,260	46,055	45,470	45,685	45,160	45,074	43,632	41,291	42,127	39,322	**44,766.4**
Total World	62,299	62,618	61,700	60,545	60,020	60,175	59,830	59,791	58,389	55,986	56,742	53,932	**59,335.6**
1981													
OPEC	24,602	24,784	25,043	24,004	23,308	22,632	21,552	21,095	20,581	21,060	20,499	21,482	**22,553.5**
Non-Communist	43,305	43,576	44,141	43,189	42,315	41,640	40,223	39,609	39,570	39,972	39,320	40,280	**41,428.3**
Total World	57,885	58,156	58,771	57,769	56,905	56,235	54,823	54,261	54,167	54,540	53,930	54,848	**56,024.2**
1982													
OPEC	21,078	19,658	18,017	16,536	17,062	18,779	18,524	18,237	18,262	19,382	19,742	18,684	**18,663.4**
Non-Communist	40,165	39,199	37,331	36,028	36,818	38,627	38,351	38,188	38,247	39,579	40,193	39,056	**38,481.8**
Total World	54,715	53,749	51,981	50,688	51,478	53,337	53,006	52,890	52,850	54,459	55,073	54,006	**53,186.0**
1983													
OPEC	16,444	14,237	14,398	15,396	17,288	17,361	18,674	18,422	19,021	18,518	18,799	18,772	**17,277.5**
Non-Communist	36,880	34,369	34,582	35,772	37,828	38,075	39,535	39,195	39,978	39,441	39,973	40,026	**37,971.2**
Total World	51,825	49,323	49,539	50,705	52,738	53,042	54,455	54,138	54,945	54,149	54,737	54,703	**52,858.3**
1984													
OPEC	18,157	17,847	18,411	17,909	17,349	18,518	17,382	16,292	16,420	16,476	16,916	16,745	**17,368.5**
Non-Communist	39,620	39,584	39,778	40,389	39,156	40,212	39,324	37,661	38,306	38,610	39,377	39,350	**39,280.6**
Total World	54,460	54,455	54,856	55,487	54,254	55,334	54,328	52,672	53,262	53,563	54,292	54,236	**54,266.6**
1985													
OPEC	15,720	17,042	17,034	16,531	15,099	14,048	14,640	14,750	15,530	17,180	17,750	18,121	**16,120.4**
Non-Communist	37,977	39,579	39,838	39,409	37,985	35,941	37,016	36,974	38,328	40,138	40,692	41,034	**38,742.6**
Total World	52,768	54,370	54,637	54,208	52,869	50,556	51,772	51,777	53,186	55,035	55,613	55,993	**53,565.3**
1986													
OPEC	16,747	17,687	17,531	17,893	18,457	19,165	20,441	21,028	16,607	16,624	17,232	17,455	**18,072.3**
Non-Communist	39,645	40,062	39,941	39,676	40,906	41,415	42,923	43,675	38,902	38,928	39,690	39,832	**40,466.3**
Total World	54,604	55,082	55,065	54,820	56,161	56,666	58,225	59,048	54,299	54,349	55,290	55,425	**55,752.8**
1987													
OPEC	16,548	15,628	15,090	16,053	16,946	17,789	18,883	20,590	18,992	19,366	18,837	18,345	**17,755.6**
Non-Communist	39,226	38,001	37,434	38,521	39,497	39,474	41,449	42,842	41,464	42,089	41,746	41,173	**40,243.0**
Total World	54,724	53,471	53,027	54,043	55,282	54,953	56,998	58,392	57,016	57,639	57,297	56,802	**55,803.7**
1988													
OPEC	17,318	17,472	17,942	18,732	18,433	18,580	19,253	20,012	20,878	21,572	22,592	22,946	**19,644.2**
Non-Communist	40,268	40,620	41,286	41,844	41,363	40,892	41,819	42,561	43,112	44,106	45,204	45,293	**42,364.0**
Total World	55,944	56,304	56,915	57,645	57,091	56,520	57,428	57,923	58,709	59,766	60,849	60,918	**58,001.0**
1989													
OPEC	20,352	20,016	20,410	21,178	20,972	21,812	21,630	22,861	22,824	23,232	24,148	24,140	**21,964.6**
Non-Communist	42,928	42,301	42,837	43,505	43,338	43,403	43,875	45,335	45,387	45,824	46,858	46,505	**44,341.3**
Total World	58,523	57,825	58,263	58,902	58,745	58,684	59,105	60,549	60,584	61,049	62,018	61,641	**59,657.3**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Producing Oil Wells

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Argentina	4,095	5,450	5,697	6,020	6,424	6,822	6,822	6,822	7,874	8,189	8,581	8,389	8,389	9,061
Bolivia	204	251	283	286	180	292	296	300	260	352	346	296	300	301
Brazil	1,338	1,371	1,441	1,522	1,605	1,615	1,952	2,115	2,115	3,386	3,514	4,880	5,909	6,166
Canada	18,573	25,055	26,112	25,800	18,323	20,721	33,404	33,907	36,388	39,146	43,480	35,246	37,882	38,557
Chile	446	441	436	425	431	380	305	266	266	266	266	347	325	370
Colombia	1,895	2,036	2,118	1,980	2,111	2,123	2,123	2,123	2,307	2,509	2,709	2,770	2,711	2,785
Ecuador *	959	950	969	979	472	477	470	887	523	NA	816	922	942	852
Mexico	3,285	3,382	3,419	4,145	4,200	3,384	3,593	3,605	3,640	NA	3,209	3,768	3,768	3,768
Peru	2,417	2,477	2,495	2,567	2,766	2,782	1,949	2,780	3,329	4,083	3,572	3,438	3,529	3,478
Trinidad & Tobago	2,595	2,968	3,083	3,284	3,323	3,349	3,488	3,142	3,089	3,145	3,157	3,211	3,255	3,255
United States	494,352	507,935	508,561	508,340	508,000	526,855	587,000	608,900	636,900	615,500	642,000	636,475	613,430	612,448
Venezuela *	10,718	10,720	11,932	11,909	12,486	5,042	13,610	14,029	11,604	13,512	10,103	9,797	28,101	12,857
Other	8	13	15	20	32	37	35	44	47	81	104	143	169	298
Western Hemisphere	**540,885**	**563,049**	**556,561**	**567,277**	**560,353**	**573,879**	**655,047**	**678,920**	**708,342**	**690,169**	**721,857**	**709,682**	**708,710**	**694,196**
Austria	1,291	1,222	1,219	1,250	1,254	1,120	1,164	1,229	1,240	1,243	1,605	1,177	1,198	987
France	274	287	288	293	293	296	374	432	470	550	601	583	625	608
Germany (West)	2,699	2,827	2,933	2,933	2,945	2,957	3,004	3,077	3,142	3,136	3,152	3,129	3,088	2,917
Italy	117	126	125	120	121	116	123	125	140	140	195	239	174	193
Netherlands	368	392	393	416	473	480	516	533	623	633	644	550	478	289
Norway	24	29	36	50	50	100	117	131	144	171	178	202	215	223
Spain	25	25	24	25	27	31	31	36	41	42	43	48	47	44
Turkey	354	361	368	380	402	414	418	386	427	440	449	564	571	625
United Kingdom	77	90	135	109	240	290	361	379	387	535	627	710	787	755
Other	6	11	13	18	18	11	18	36	41	32	15	56	16	76
Western Europe	**5,235**	**5,370**	**5,534**	**5,594**	**5,823**	**5,815**	**6,126**	**6,364**	**6,655**	**6,922**	**7,509**	**7,258**	**7,199**	**6,717**
Abu Dhabi *	216	209	232	240	250	341	277	352	222	254	254	517	1,001	1,001
Bahrain	202	223	235	233	233	242	243	243	243	257	271	279	274	267
Dubai *	54	60	66	71	79	79	87	141	165	141	152	150	150	150
Iran *	425	428	518	551	547	547	530	530	530	530	361	361	361	361
Iraq *	156	170	200	250	250	250	280	280	290	290	NA	615	868	820
Israel	15	23	23	25	16	9	16	31	16	10	9	9	10	12
Jordan	0	0	0	0	0	0	0	0	0	0	0	10	3	3
Kuwait *	692	596	586	586	590	590	546	530	530	530	572	363	363	363
Neutral Zone *	449	476	459	455	423	412	450	445	450	464	493	491	492	501
North Yemen	0	0	0	0	0	0	0	0	0	0	0	45	12	60
Oman	208	235	238	100	254	269	363	416	477	555	641	789	1,004	1,093
Qatar *	88	77	77	95	95	124	128	125	125	174	174	174	174	174
Ras Al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	4	6	6	6
Saudi Arabia *	711	701	754	875	725	733	782	555	555	555	NA	588	588	588
Sharjah *	3	3	3	4	4	4	5	4	12	18	19	20	20	20
Syria	346	345	402	442	513	179	179	601	601	802	847	963	963	963
Middle East	**3,565**	**3,546**	**3,793**	**3,927**	**3,979**	**3,779**	**3,886**	**4,253**	**4,216**	**4,582**	**3,797**	**5,380**	**6,289**	**6,382**

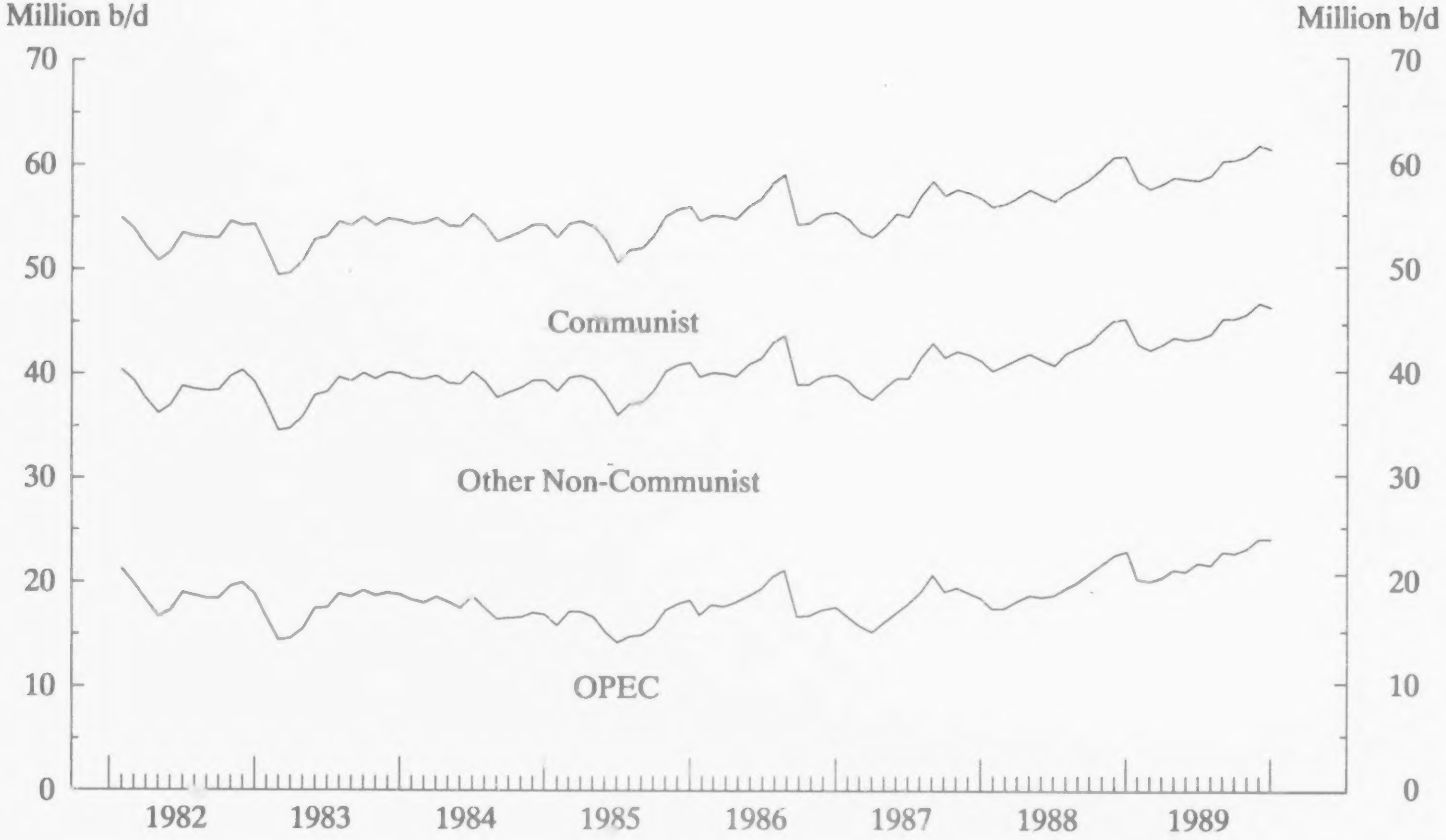
Worldwide Producing Oil Wells

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Algeria *	984	826	801	989	970	1,000	1,050	1,085	1,090	1,090	NA	840	840	840
Angola-Cabinda	183	171	157	182	176	188	190	205	254	291	298	381	396	422
Cameroon	NA	NA	NA	13	29	49	81	95	166	166	173	176	175	175
Congo	49	86	97	107	113	119	153	179	251	246	272	286	289	310
Egypt	319	376	401	430	432	484	450	411	500	617	658	724	821	874
Gabon *	184	212	240	211	218	242	250	266	270	270	297	295	299	312
Libya *	851	877	797	817	896	886	889	891	905	905	671	661	664	678
Nigeria *	1,052	1,259	1,374	1,322	1,457	1,451	1,491	1,312	1,296	1,177	1,153	1,253	1,522	1,513
Tunisia	60	56	73	76	63	87	92	91	91	131	140	150	152	152
Other	17	21	16	13	18	16	26	30	37	44	46	128	138	135
Africa	**3,699**	**3,884**	**3,956**	**4,160**	**4,372**	**4,522**	**4,672**	**4,565**	**4,860**	**4,937**	**3,708**	**4,894**	**5,296**	**5,411**
Australia	361	378	359	375	370	403	399	435	509	545	746	869	926	951
Brunei	436	487	527	558	592	578	571	578	649	649	629	609	608	583
Burma	595	385	407	429	445	445	445	445	445	445	445	450	450	450
China, Taiwan	80	82	70	66	80	82	77	85	86	78	84	90	81	83
India	1,545	1,548	1,600	1,600	1,600	1,600	1,600	1,560	1,560	1,560	2,201	2,670	2,670	1,866
Indonesia *	3,018	3,162	3,421	3,644	3,823	3,700	4,077	4,341	4,840	4,840	5,378	5,774	6,065	6,470
Japan	1,009	464	448	542	507	388	382	397	370	348	256	387	387	387
Malaysia	68	87	121	154	227	230	217	265	316	368	370	452	448	467
New Zealand	3	9	9	10	17	16	16	14	16	27	28	38	40	49
Pakistan	13	15	17	17	18	19	53	32	38	38	51	44	77	80
Thailand	13	13	12	12	0	0	0	26	45	84	184	167	245	245
Other	15	15	15	NA	5	4	6	6	11	10	9	20	21	23
Asia-Pacific	**7,156**	**6,645**	**7,006**	**7,407**	**7,684**	**7,465**	**7,843**	**8,184**	**8,885**	**8,992**	**10,381**	**11,570**	**12,018**	**11,654**
Total Non-Communist	**560,540**	**582,494**	**576,850**	**588,365**	**582,211**	**595,460**	**677,574**	**702,286**	**732,958**	**715,602**	**747,252**	**738,784**	**739,512**	**724,360**

Member of the Organization of Petroleum Exporting Countries (OPEC).
Brunei includes Malaysia for 1974.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Crude Oil Production



Source: OGJ

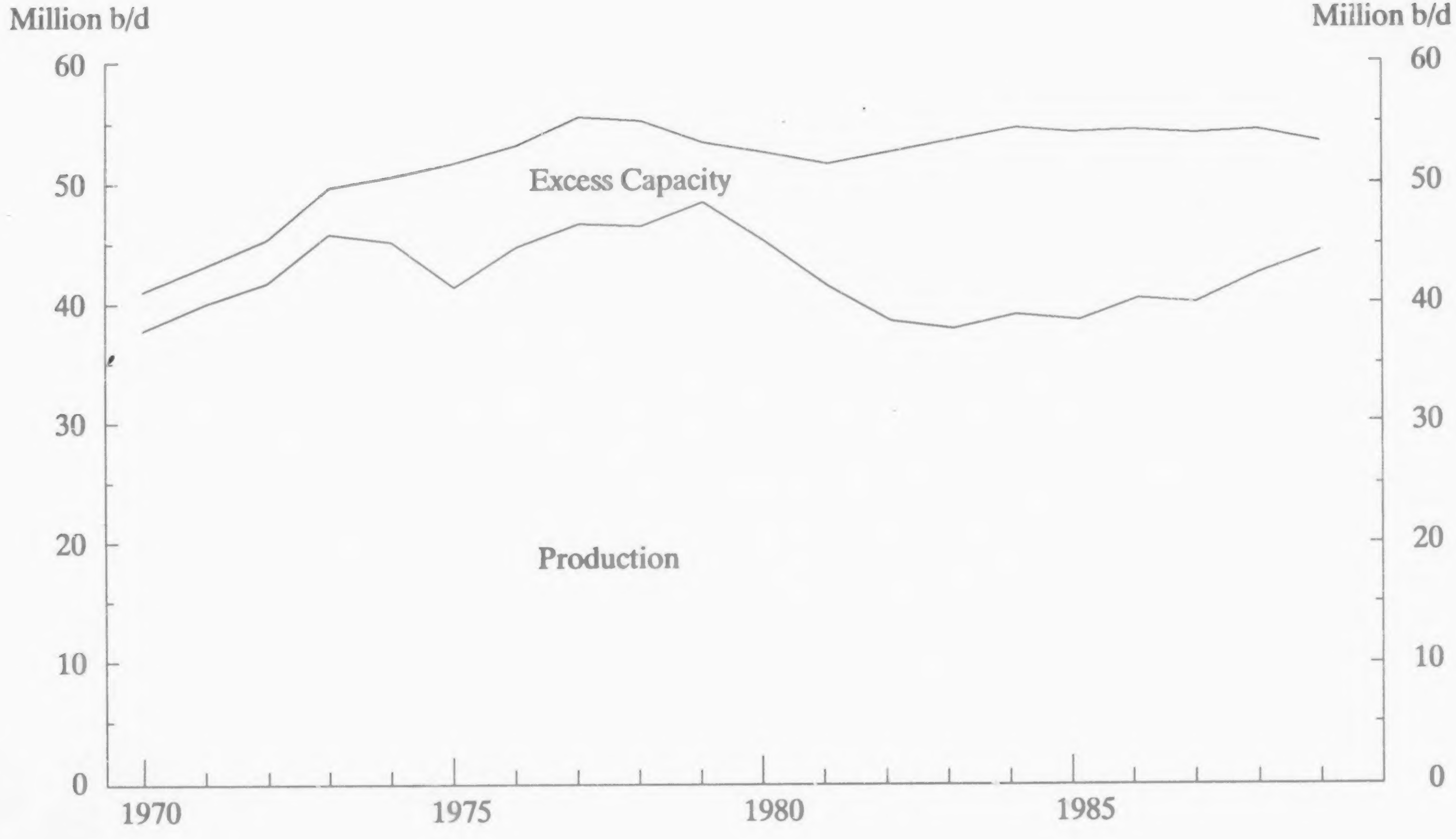
Maximum Sustainable Productive Capacity*
OPEC Nations by Country
Thousands of barrels per day

	1983	1984	1985	1986	1987	1988	1989
Algeria	900	900	900	900	900	900	800
Ecuador	225	225	285	285	330	330	330
Gabon	150	150	150	150	200	200	200
Indonesia	1,650	1,650	1,650	1,650	1,500	1,500	1,400
Iran	5,500	5,500	5,500	5,500	3,000	3,000	3,000
Iraq	3,500	3,500	3,500	3,500	2,500	2,500	3,500
Kuwait	2,500	2,500	2,000	2,000	2,200	2,200	2,200
Libya	2,100	2,100	2,100	2,100	1,600	1,600	1,600
Neutral Zone	600	600	600	600	600	600	600
Nigeria	2,200	2,200	2,200	2,200	1,700	1,700	1,700
Qatar	600	600	600	600	600	600	600
Saudi Arabia	10,000	10,000	10,000	10,000	8,300	8,300	7,000
United Arab Emirates	2,415	2,415	2,415	2,415	2,000	2,000	2,210
Abu Dhabi	2,035	2,035	2,035	2,035	1,600	1,600	1,800
Dubai	370	370	370	370	390	390	400
Sharjah	10	10	10	10	10	10	10
Venezuela	2,400	2,500	2,500	2,500	2,400	2,400	2,400
Total OPEC	**34,740**	**34,840**	**34,400**	**34,400**	**27,830**	**27,830**	**27,540**

* Maximum production rate which could be sustained for one year.

Data from Oil & Gas Journal Energy Database.
Source: Central Intelligence Agency

Total Non-Communist Excess Productive Capacity



Source: OGJ

Estimated Installed Productive Capacity
OPEC, Non-OPEC, Non-Communist
Thousands of barrels per day

	OPEC	Non-OPEC	Total Non-Communist
1961	10,150	10,050	20,200
1962	11,350	10,450	21,800
1963	12,450	10,850	23,300
1964	14,050	11,050	25,100
1965	15,500	11,400	26,900
1966	17,050	12,150	29,200
1967	18,200	13,150	31,350
1968	20,300	14,200	34,500
1969	22,600	14,650	37,250
1970	25,300	15,700	41,000
1971	27,400	15,750	43,150
1972	29,300	16,050	45,350
1973	33,500	16,150	49,650
1974	34,800	15,750	50,550
1975	36,100	15,600	51,700
1976	37,400	15,750	53,150
1977	38,700	16,850	55,550
1978	36,480	18,700	55,180
1979	34,260	19,150	53,410
1980	32,730	19,800	52,530
1981	31,200	20,400	51,600
1982	31,200	21,400	52,600
1983	31,200	22,400	53,600
1984	31,000	23,700	54,700
1985	30,000	24,400	54,400
1986	30,000	24,550	54,550
1987	29,500	24,800	54,300
1988	29,500	24,700	54,200
1989	29,000	24,250	53,250

Data from Oil & Gas Journal Energy Database
Source: Oil & Gas Journal

Notes

Reserves

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Total U.S. Crude Oil Reserves
Thousands of barrels

	Net Adjustments	Revision Increase	Revision Decrease	Total Revisions & Adjustments	Extensions to Old Reservoirs	New Field Discoveries	New Reservoirs in Old Fields	Total Discoveries	Total Discoveries, Revisions, Adjustments	Production	Reserves at Yearend
1946	NA	NA	NA	1,254,075	1,158,923	NA	244,434	1,403,357	2,658,062	1,726,348	**20,873,560**
1947	NA	NA	NA	749,278	1,269,862	NA	445,430	1,715,292	2,464,570	1,850,445	**21,487,680**
1948	NA	NA	NA	1,958,853	1,439,873	269,438	127,043	1,836,354	3,795,207	2,002,448	**23,280,440**
1949	NA	NA	NA	603,566	1,693,862	544,319	346,098	2,584,279	3,187,845	1,818,800	**24,649,490**
1950	NA	NA	NA	663,378	1,334,391	407,739	157,177	1,899,307	2,562,685	1,943,776	**25,268,400**
1951	NA	NA	NA	1,776,110	2,248,588	205,959	183,297	2,637,844	4,413,954	2,214,321	**27,468,030**
1952	NA	NA	NA	743,729	1,509,131	280,066	216,362	1,810,859	2,749,288	2,256,765	**27,960,550**
1953	NA	NA	NA	1,264,832	1,439,618	344,053	247,627	2,031,298	3,296,130	2,311,856	**28,944,830**
1954	NA	NA	NA	537,788	1,749,443	307,625	278,181	2,335,249	2,873,037	2,257,119	**29,560,750**
1955	NA	NA	NA	696,114	1,697,653	219,824	257,133	2,174,610	2,870,724	2,419,300	**30,012,170**
1956	NA	NA	NA	804,803	1,702,311	234,727	232,495	2,169,533	2,974,336	2,551,857	**30,434,650**
1957	NA	NA	NA	465,421	1,543,182	207,437	208,760	1,959,379	2,424,800	2,559,044	**30,300,400**
1958	NA	NA	NA	954,605	1,338,908	151,210	163,519	1,653,637	2,608,242	2,372,730	**30,535,920**
1959	NA	NA	NA	1,518,678	1,778,705	165,695	203,667	2,148,067	3,666,745	2,483,315	**31,719,350**
1960	NA	NA	NA	787,934	1,323,538	141,296	112,560	1,577,394	2,365,328	2,471,464	**31,613,210**
1961	NA	NA	NA	1,087,092	1,209,101	107,423	253,951	1,570,475	2,657,567	2,512,273	**31,758,500**
1962	NA	NA	NA	759,053	1,041,257	92,488	288,098	1,421,843	2,180,896	2,550,178	**31,389,220**
1963	NA	NA	NA	966,051	858,168	96,732	253,159	1,208,059	2,174,110	2,593,343	**30,969,990**
1964	NA	NA	NA	899,292	1,419,182	126,682	219,611	1,765,475	2,664,767	2,644,247	**30,990,510**
1965	NA	NA	NA	1,783,231	792,901	237,335	234,612	1,264,848	3,018,079	2,686,198	**31,352,390**
1966	NA	NA	NA	1,839,307	814,249	160,384	150,038	1,124,671	2,963,978	2,864,242	**31,452,130**
1967	NA	NA	NA	1,900,969	716,467	125,105	219,581	1,061,153	2,962,122	3,037,579	**31,376,670**
1968	NA	NA	NA	1,320,109	776,780	166,291	191,455	1,134,526	2,454,635	3,124,188	**30,707,120**
1969	NA	NA	NA	1,258,142	614,710	96,435	150,749	861,894	2,120,036	3,195,291	**29,631,860**
1970	NA	NA	NA	2,088,927	631,354	*9,852,512	116,125	10,599,990	12,688,920	3,319,445	**39,001,330**
1971	NA	NA	NA	1,600,426	560,596	91,469	65,241	717,306	2,317,732	3,256,110	**38,062,960**
1972	NA	NA	NA	820,107	459,311	123,210	155,220	737,741	1,557,848	3,281,397	**36,339,410**
1973	NA	NA	NA	1,551,777	390,141	116,097	87,816	594,054	2,145,831	3,185,400	**35,299,840**
1974	NA	NA	NA	1,310,929	368,918	226,163	87,563	682,644	1,993,573	3,043,456	**34,249,960**
1975	NA	NA	NA	677,271	340,128	173,177	127,887	641,192	1,318,463	2,886,292	**32,682,130**
1976	NA	NA	NA	488,659	466,279	67,842	62,511	596,632	1,085,291	2,825,252	**30,942,170**
1977	NA	NA	NA	769,678	365,007	159,950	109,145	634,102	1,403,780	2,859,544	**29,486,400**
1978	NA	NA	NA	707,190	366,589	199,994	73,483	640,066	1,347,256	3,029,898	**27,803,760**
+1979	NA	NA	NA	1,490,618	368,082	239,406	107,567	715,055	2,205,673	2,958,144	**27,051,290**

Total U.S. Crude Oil Reserves
Thousands of barrels

	Net Adjustments	Revision Increase	Revision Decrease	Total Revisions & Adjustments	Extensions to Old Reservoirs	New Field Discoveries	New Reservoirs in Old Fields	Total Discoveries	Total Discoveries, Revisions, Adjustments	Production	Reserves at Yearend
+1980	219,000	2,883,000	994,000	2,108,000	572,000	147,000	143,000	862,000	2,970,000	2,975,000	**29,805,000**
1981	138,000	2,151,000	880,000	1,409,000	750,000	157,000	254,000	1,161,000	2,570,000	2,949,000	**29,426,000**
1982	83,000	2,245,000	1,811,000	351,000	634,000	193,000	204,000	1,031,000	1,382,000	2,950,000	**27,858,000**
1983	462,000	2,810,000	1,299,000	1,973,000	629,000	105,000	190,000	924,000	2,897,000	3,020,000	**27,735,000**
1984	159,000	3,672,000	1,227,000	2,604,000	744,000	242,000	158,000	1,144,000	3,748,000	3,037,000	**28,446,000**
1985	429,000	3,037,000	1,439,000	2,027,000	742,000	84,000	169,000	995,000	3,022,000	3,052,000	**28,416,000**
1986	57,000	2,724,000	1,869,000	912,000	405,000	48,000	81,000	534,000	1,446,000	2,973,000	**26,889,000**
1987	233,000	3,687,000	1,371,000	2,549,000	484,000	96,000	111,000	691,000	3,240,000	2,873,000	**27,256,000**
1988	364,000	2,684,000	1,221,000	1,827,000	355,000	71,000	127,000	553,000	2,380,000	2,811,000	**26,825,000**

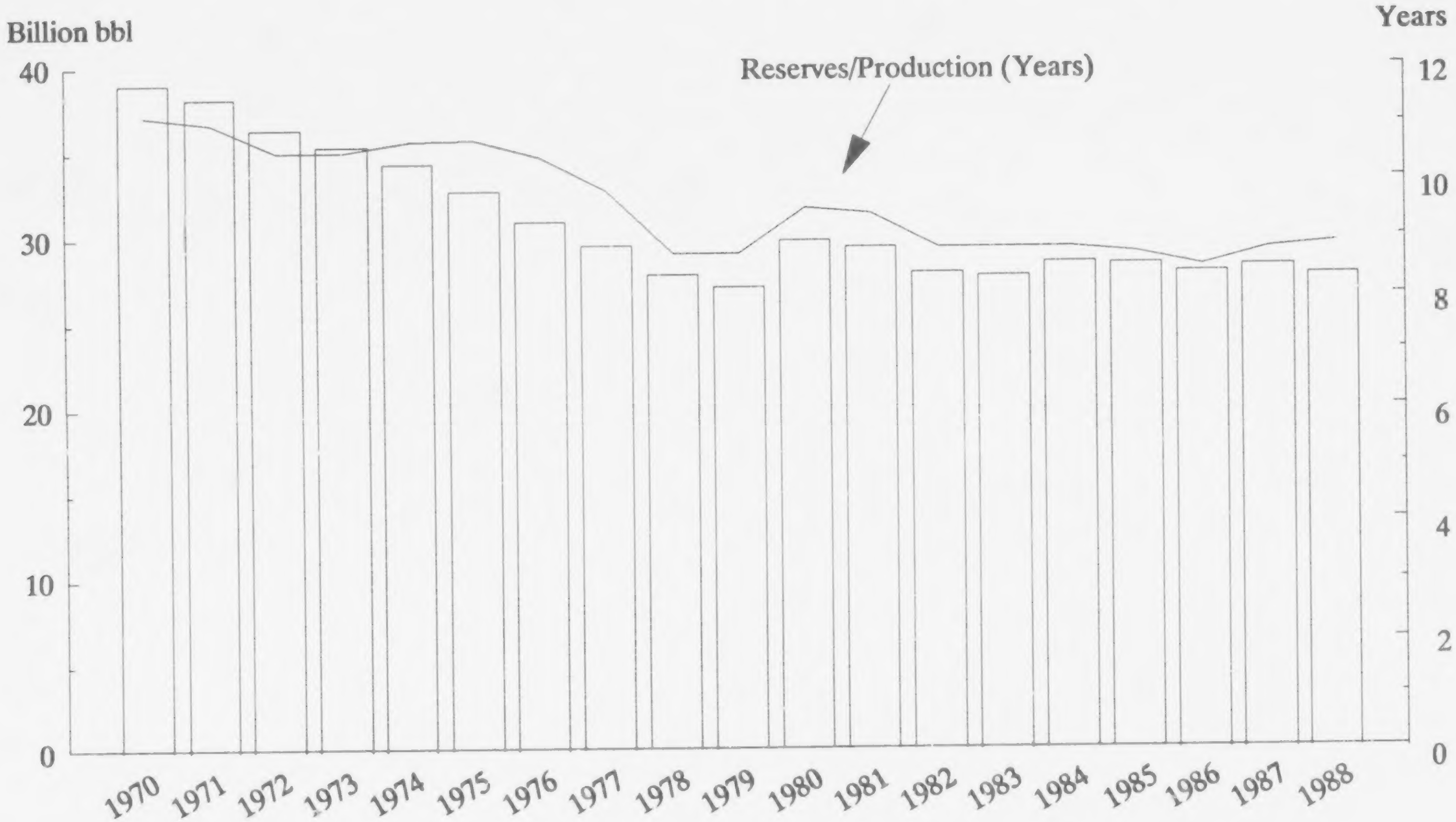
* Prudhoe Bay was added to reserves in 1970.

+ API data ends in 1979; EIA data begins in 1980. Some discontinuity exists.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute, Energy Information Administration

Reserves and Reserves/Production Ratio

U.S. Crude Oil



Source: API, AGA, EIA

U.S. Crude Oil Reserves
By State
Thousands of barrels

	1967	1968	1969	1970	1971	1972	1973
Alabama	78,813	72,730	67,126	65,262	61,478	56,734	53,603
Alaska	380,833	373,185	432,300	10,148,824	10,116,195	10,096,282	10,112,213
Arkansas	176,429	159,283	127,346	129,577	117,648	113,100	105,552
California*	4,369,370	4,340,749	4,242,730	3,983,986	3,705,750	3,553,735	3,488,100
Coastal Region*	526,089	579,575	649,172	608,386	543,772	513,322	536,284
Los Angeles Basin*	1,861,975	1,777,719	1,640,520	1,465,607	1,344,017	1,282,048	1,197,868
San Joaquin	1,981,306	1,983,455	1,953,038	1,909,993	1,817,961	1,758,365	1,753,948
Colorado	339,852	420,473	400,604	389,048	332,773	326,411	304,790
Florida	NA	NA	NA	74,781	204,122	208,149	183,859
Illinois	335,508	313,780	272,115	228,680	208,763	174,883	152,343
Indiana	47,158	40,247	41,307	37,009	30,855	29,383	26,622
Kansas	625,121	600,842	566,013	539,305	501,552	453,394	401,089
Kentucky	94,337	79,477	73,103	61,377	52,548	48,193	39,980
Louisiana*	5,455,946	5,608,156	5,689,150	5,710,320	5,399,000	5,028,478	4,576,826
North	393,038	360,595	333,184	311,727	306,918	281,451	252,388
South*	5,062,908	5,247,561	5,355,966	5,398,593	5,092,082	4,747,027	4,324,438
Michigan	62,535	55,262	51,517	45,615	58,765	62,002	72,444
Mississippi	356,686	325,649	360,198	354,741	342,368	312,458	291,049
Montana	307,972	345,117	275,765	241,529	228,185	241,248	219,343
Nebraska	63,163	55,328	46,835	40,943	36,124	30,553	28,166
New Mexico	925,816	864,684	839,927	760,921	656,885	582,593	642,994
East	888,061	833,983	811,297	738,382	634,324	558,347	619,134
West	37,755	30,701	28,630	22,539	22,561	24,246	23,860
North Dakota	290,272	287,366	234,504	192,377	174,011	166,033	179,520
Ohio	114,211	132,270	127,367	127,912	129,144	127,385	124,911
Oklahoma	1,458,948	1,394,653	1,389,983	1,351,353	1,404,608	1,303,004	1,270,964
Pennsylvania	63,289	59,188	54,740	51,286	47,052	37,345	39,613
South Dakota	NA	NA	NA	NA	NA	NA	NA
Tennessee	NA	NA	NA	NA	NA	NA	NA
Texas*	14,494,109	13,809,906	13,063,182	13,195,476	13,023,529	12,144,057	11,756,613
District 1	159,435	149,873	157,166	153,325	157,078	147,324	144,149
District 2*	966,419	910,201	886,483	844,961	785,638	636,768	677,125
District 3*	2,045,281	1,935,865	1,834,428	1,686,995	1,638,611	1,536,426	1,489,428
District 4*	691,578	639,195	563,865	528,403	415,664	343,752	304,422
District 5	155,030	148,560	134,866	128,102	118,305	98,963	126,462
District 6	2,764,640	2,679,932	2,590,282	2,497,771	2,359,624	2,208,438	2,049,248
District 7B	263,884	240,742	242,444	238,803	209,473	235,962	235,870
District 7C	382,133	361,183	348,353	298,519	251,304	239,270	204,996
District 8	3,629,496	3,393,831	3,168,582	3,106,879	3,528,991	3,402,358	3,205,538
District 8A	2,728,129	2,725,493	2,566,178	3,130,328	3,002,588	2,793,503	2,785,308
District 9	432,614	366,246	335,567	363,458	356,007	324,018	363,708
District 10	275,470	258,785	234,968	217,932	200,246	177,275	170,359
Utah	201,046	180,039	195,290	181,512	165,806	244,397	264,512
West Virginia	56,217	53,568	53481	53,221	51,731	34,040	32,126
Wyoming	1,043,519	1,101,288	996,550	1,017,359	996,985	949,779	916,763
Others	20,942	20,831	18,938	8,371	7,308	6,526	7,556
Total U.S.	**31,376,670**	**30,707,117**	**29,631,862**	**39,001,332**	**38,062,956**	**36,339,408**	**35,299,836**

U.S. Crude Oil Reserves
By State
Thousands of barrels

	1974	1975	1976	1977	1978	1979
Alabama	68,718	61,032	53,341	44,174	33,107	28,342
Alaska	10,094,099	10,037,262	9,785,675	9,616,111	9,247,356	8,923,975
Arkansas	106,336	95,662	93,439	86,111	94,038	107,230
California*	3,557,036	3,647,537	3,589,937	3,631,851	3,471,301	3,644,686
Coastal Region*	627,221	637,615	600,231	634,038	601,756	645,984
Los Angeles Basin*	1,113,260	1,137,708	1,056,125	949,304	879,222	912,940
San Joaquin	1,816,555	1,872,214	1,933,581	2,048,509	1,990,323	2,085,852
Colorado	289,333	276,066	251,783	241,910	198,012	152,060
Florida	302,709	262,539	249,560	208,749	169,361	122,710
Illinois	159,789	160,986	155,318	149,959	137,927	132,908
Indiana	24,351	22,029	22,256	25,783	26,515	25,495
Kansas	395,107	364,394	361,570	359,434	350,367	344,778
Kentucky	36,572	39,306	38,188	35,336	31,833	30,739
Louisiana*	4,226,514	3,827,187	3,470,628	3,113,409	2,893,401	2,555,121
North	273,948	253,911	236,927	215,955	208,742	182,955
South*	3,952,566	3,573,276	3,233,701	2,897,454	2,684,659	2,372,166
Michigan	82,299	93,312	138,788	133,228	190,164	176,305
Mississippi	261,408	231,158	214,196	202,632	187,587	168,881
Montana	207,389	163,968	152,670	151,601	140,466	136,590
Nebraska	26,779	28,372	31,307	31,010	29,291	30,117
New Mexico	624,968	588,110	535,519	490,508	485,640	461,713
East	597,761	563,295	514,121	471,728	468,814	446,540
West	27,207	24,815	21,398	18,780	16,826	15,173
North Dakota	172,794	158,245	149,629	150,191	161,213	175,195
Ohio	123,871	121,263	125,268	129,148	131,194	137,718
Oklahoma	1,232,377	1,239,687	1,186,553	1,121,430	1,073,469	1,005,332
Pennsylvania	50,414	48,028	50,563	49,334	48,156	50,846
South Dakota	2,161	1,855	1,504	2,291	2,738	2,947
Tennessee	1,618	1,508	1,910	2,536	2,489	2,605
Texas*	11,001,506	10,080,035	9,226,250	8,467,436	7,689,991	7,636,084
District 1	133,389	126,457	138,510	119,477	110,258	96,943
District 2*	622,886	563,204	502,109	435,915	382,189	352,623
District 3*	1,352,103	1,244,579	1,025,889	895,862	745,558	669,185
District 4*	237,192	193,370	158,803	144,681	122,586	117,220
District 5	110,892	91,267	77,310	63,354	54,323	45,092
District 6	1,913,658	1,773,893	1,743,103	1,620,354	1,512,934	1,267,227
District 7B	250,387	227,772	204,514	201,244	188,922	169,269
District 7C	199,587	185,234	183,120	173,681	166,334	165,646
District 8	3,064,516	2,922,387	2,710,058	2,560,106	2,389,899	2,272,401
District 8A	2,578,203	2,292,651	2,067,714	1,894,063	1,694,063	2,116,928
District 9	369,822	304,510	268,445	226,056	187,714	211,858
District 10	168,871	154,711	146,675	132,643	135,211	151,692
Utah	250,648	208,318	183,176	182,147	155,371	144,342
West Virginia	32,210	31,418	30,009	28,686	29,675	27,922
Wyoming	903,360	877,385	827,769	815,578	804,567	808,765
Others	8,471	5,441	6,192	6,720	9,535	8,242
Total U.S.	**34,249,956**	**32,682,126**	**30,942,166**	**29,486,402**	**27,803,760**	**27,051,288**

* Includes adjacent offshore state and federal waters.

Data from Oil & Gas Journal Energy Database
Source: American Petroleum Institute, American Gas Association

U.S. Crude Oil Reserves
By State
Thousands of barrels

	1978	1979	1980	1981	1982	1983	1984
Alabama	74,000	45,000	54,000	55,000	54,000	51,000	68,000
Alaska	9,384,000	8,875,000	8,751,000	8,283,000	7,406,000	7,307,000	7,563,000
Arkansas	111,000	107,000	107,000	113,000	107,000	120,000	114,000
California	4,974,000	5,265,000	5,470,000	5,441,000	5,405,000	5,348,000	5,707,000
Coastal Region Land*	602,000	578,000	652,000	621,000	580,000	559,000	628,000
Los Angeles Basin Land*	493,000	513,000	454,000	412,000	370,000	343,000	373,000
San Joaquin Land	3,099,000	3,294,000	3,360,000	3,225,000	3,081,000	3,032,000	3,197,000
State and Federal Offshore	780,000	880,000	1,004,000	1,183,000	1,374,000	1,414,000	1,509,000
Colorado	194,000	159,000	183,000	147,000	169,000	186,000	198,000
Florida	168,000	128,000	134,000	109,000	97,000	78,000	82,000
Illinois	158,000	136,000	113,000	129,000	150,000	135,000	153,000
Indiana	29,000	40,000	23,000	23,000	28,000	34,000	33,000
Kansas	303,000	377,000	310,000	371,000	378,000	344,000	377,000
Kentucky	40,000	25,000	35,000	29,000	36,000	35,000	41,000
Louisiana	3,448,000	2,780,000	2,751,000	2,985,000	2,728,000	2,707,000	2,661,000
North	255,000	216,000	248,000	317,000	240,000	223,000	165,000
South Land*	1,242,000	682,000	682,000	642,000	611,000	569,000	585,000
State and Federal Offshore	1,951,000	1,882,000	1,642,000	1,864,000	1,877,000	1,915,000	1,911,000
Michigan	220,000	159,000	205,000	240,000	184,000	209,000	180,000
Mississippi	250,000	238,000	202,000	209,000	223,000	205,000	201,000
Montana	158,000	152,000	179,000	186,000	216,000	234,000	224,000
Nebraska	30,000	25,000	46,000	41,000	32,000	44,000	46,000
New Mexico	579,000	563,000	547,000	555,000	563,000	576,000	660,000
East	554,000	542,000	518,000	522,000	537,000	542,000	625,000
West	25,000	21,000	29,000	33,000	26,000	34,000	35,000
North Dakota	162,000	211,000	214,000	223,000	237,000	258,000	260,000
Ohio	69,000	82,000	116,000	112,000	111,000	130,000	116,000
Oklahoma	979,000	1,014,000	930,000	950,000	971,000	931,000	940,000
Pennsylvania	27,000	33,000	35,000	32,000	37,000	41,000	40,000
Texas	8,911,000	8,284,000	8,206,000	8,093,000	7,616,000	7,539,000	7,557,000
District 1	111,000	110,000	150,000	127,000	129,000	165,000	173,000
District 2*	334,000	292,000	252,000	229,000	206,000	192,000	192,000
District 3*	794,000	630,000	581,000	552,000	509,000	517,000	522,000
District 4*	123,000	113,000	96,000	97,000	87,000	96,000	99,000
District 5	68,000	55,000	52,000	49,000	45,000	42,000	36,000
District 6	1,444,000	1,177,000	1,115,000	1,040,000	947,000	918,000	889,000
District 7B	190,000	208,000	196,000	254,000	199,000	217,000	218,000
District 7C	202,000	206,000	207,000	230,000	229,000	228,000	240,000
District 8	2,795,000	2,686,000	2,597,000	2,503,000	2,312,000	2,350,000	2,342,000
District 8A	2,439,000	2,371,000	2,504,000	2,538,000	2,481,000	2,366,000	2,413,000
District 9	190,000	200,000	218,000	225,000	219,000	220,000	214,000
District 10	90,000	97,000	89,000	107,000	112,000	105,000	108,000
State and Federal Offshore	131,000	139,000	149,000	142,000	141,000	123,000	111,000
Utah	188,000	201,000	198,000	190,000	173,000	187,000	172,000
West Virginia	30,000	48,000	30,000	30,000	48,000	49,000	76,000
Wyoming	845,000	841,000	928,000	840,000	856,000	957,000	954,000
Others	24,000	22,000	38,000	40,000	33,000	30,000	23,000
Total U.S.	31,355,000	29,810,000	29,805,000	29,426,000	27,858,000	27,735,000	28,446,000

U.S. Crude Oil Reserves
By State
Thousands of barrels

	1985	1986	1987	1988
Alabama	69,000	55,000	55,000	54,000
Alaska	7,056,000	6,875,000	7,378,000	6,959,000
Arkansas	97,000	88,000	82,000	77,000
California	4,810,000	4,734,000	4,709,000	4,879,000
Coastal Region Land*	631,000	592,000	625,000	576,000
Los Angeles Basin Land*	420,000	330,000	361,000	391,000
San Joaquin Land	3,258,000	3,270,000	3,208,000	3,439,000
State and Federal Offshore	501,000	542,000	515,000	473,000
Colorado	198,000	207,000	272,000	257,000
Florida	77,000	67,000	61,000	59,000
Illinois	136,000	135,000	153,000	143,000
Indiana	35,000	32,000	23,000	22,000
Kansas	423,000	312,000	357,000	327,000
Kentucky	42,000	31,000	25,000	34,000
Louisiana	883,000	826,000	807,000	800,000
North	196,000	160,000	175,000	154,000
South Land*	565,000	547,000	505,000	511,000
State and Federal Offshore	122,000	119,000	127,000	135,000
Michigan	191,000	146,000	151,000	132,000
Mississippi	184,000	199,000	202,000	221,000
Montana	232,000	248,000	246,000	241,000
Nebraska	42,000	45,000	33,000	42,000
New Mexico	688,000	644,000	654,000	661,000
East	643,000	593,000	608,000	621,000
West	45,000	51,000	46,000	40,000
North Dakota	255,000	218,000	215,000	216,000
Ohio	79,000	72,000	66,000	64,000
Oklahoma	935,000	874,000	788,000	796,000
Pennsylvania	38,000	26,000	26,000	27,000
Texas	7,782,000	7,152,000	7,112,000	7,043,000
District 1	177,000	144,000	143,000	136,000
District 2*	168,000	148,000	137,000	117,000
District 3*	471,000	420,000	386,000	360,000
District 4*	98,000	87,000	80,000	65,000
District 5	59,000	53,000	54,000	48,000
District 6	851,000	750,000	733,000	685,000
District 7B	239,000	193,000	200,000	205,000
District 7C	243,000	213,000	220,000	212,000
District 8	2,333,000	2,183,000	2,108,000	2,107,000
District 8A	2,711,000	2,618,000	2,735,000	2,800,000
District 9	285,000	237,000	206,000	202,000
District 10	140,000	104,000	102,000	99,000
State and Federal Offshore	7,000	2,000	8,000	7,000
Utah	276,000	269,000	284,000	260,000
West Virginia	40,000	37,000	34,000	33,000
Wyoming	951,000	849,000	854,000	815,000
Federal Offshore	2,862,000	2,715,000	2,639,000	2,629,000
Pacific Offshore	991,000	974,000	1,037,000	1,024,000
Gulf of Mexico	1,871,000	1,741,000	1,602,000	1,605,000
Others	35,000	33,000	30,000	34,000
Total U.S.	**28,416,000**	**26,889,000**	**27,256,000**	**26,825,000**

* Excludes adjacent offshore state and federal waters which were included in the previous data series on reserves from API/AGA.

Data from Oil & Gas Journal Energy Database
Source: Energy Information Administration

Total U.S. Natural Gas Liquids Reserves
Thousands of barrels

	Net Adjustment	Revision Increase	Revision Decrease	Total Revisions & Adjustments	Extensions to Old Reservoirs	New Field Discoveries	New Reservoirs in Old Fields	Total Discoveries	Total Discoveries, Revisions, Adjustments	Production	Reserves at Yearend
1966	NA	NA	NA	634,233	131,583	53,378	74,922	259,883	894,116	588,684	**8,328,966**
1967	NA	NA	NA	671,112	159,725	57,272	41,649	258,646	929,758	644,493	**8,614,231**
1968	NA	NA	NA	469,689	155,940	26,642	33,388	215,970	685,659	701,782	**8,598,108**
1969	NA	NA	NA	106,192	106,815	26,831	41,190	174,836	281,028	735,962	**8,143,174**
1970	NA	NA	NA	35,446	103,740	34,234	134,159	272,133	307,579	747,812	**7,702,941**
1971	NA	NA	NA	135,144	93,909	28,513	90,154	212,576	347,720	746,434	**7,304,227**
1972	NA	NA	NA	38,796	112,537	32,652	54,288	249,487	238,273	755,941	**6,786,559**
1973	NA	NA	NA	231,460	121,835	19,202	36,482	177,519	408,979	740,831	**6,454,707**
1974	NA	NA	NA	393,484	149,996	36,095	40,266	226,357	619,841	724,099	**6,350,449**
1975	NA	NA	NA	345,496	116,810	128,036	28,162	273,008	618,504	701,123	**6,267,830**
1976	NA	NA	NA	614,356	158,572	20,460	41,378	220,410	834,766	700,629	**6,401,967**
1977	NA	NA	NA	78,043	152,535	24,950	35,643	213,128	291,171	698,773	**5,994,365**
1978	NA	NA	NA	365,813	153,181	31,427	45,245	229,853	595,666	664,179	**5,925,852**
*1979	NA	NA	NA	141,727	166,769	38,437	42,872	248,078	389,805	660,334	**5,655,323**
*1980	153,000	743,000	639,000	257,000	418,000	90,000	79,000	587,000	844,000	731,000	**6,728,000**
1981	231,000	729,000	643,000	317,000	542,000	131,000	91,000	764,000	1,081,000	741,000	**7,068,000**
1982	299,000	811,000	832,000	278,000	375,000	112,000	109,000	596,000	874,000	721,000	**7,221,000**
1983	849,000	847,000	781,000	915,000	321,000	70,000	99,000	490,000	1,405,000	725,000	**7,901,000**
1984	(123,000)	866,000	724,000	19,000	348,000	55,000	96,000	499,000	518,000	776,000	**7,643,000**
1985	426,000	906,000	744,000	588,000	337,000	44,000	85,000	466,000	1,054,000	753,000	**7,944,000**
1986	367,000	1,030,000	807,000	590,000	263,000	34,000	72,000	369,000	959,000	738,000	**8,165,000**
1987	231,000	847,000	656,000	422,000	213,000	39,000	55,000	307,000	729,000	747,000	**8,147,000**
1988	11,000	1,168,000	715,000	464,000	268,000	41,000	72,000	381,000	845,000	754,000	**8,238,000**

* API data ends in 1979; EIA data begins in 1980. Some discontinuity exists.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute, Energy Information Administration

U.S. Natural Gas Liquids Reserves
By State
Thousands of barrels

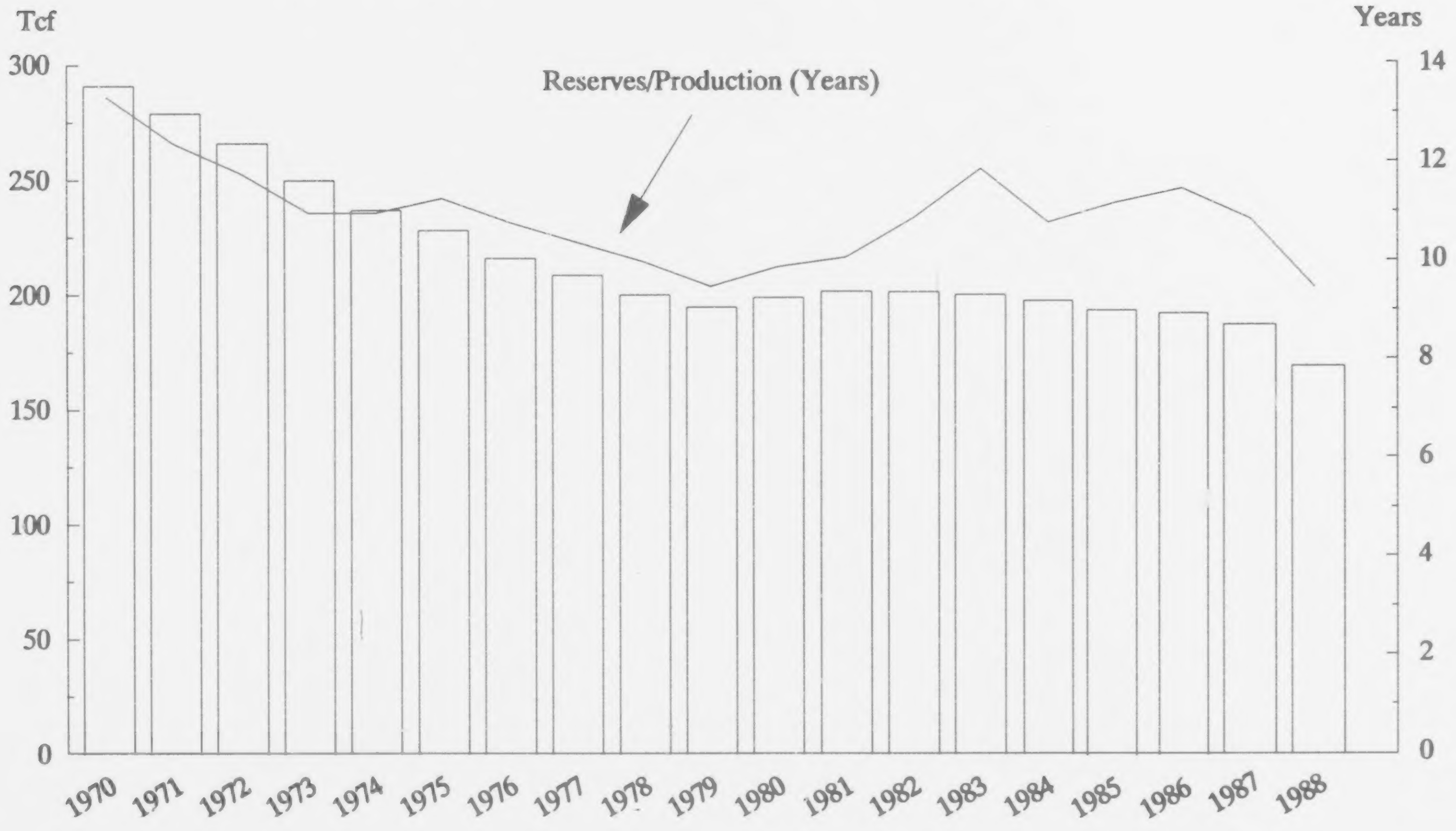
	1980	1981	1982	1983	1984	1985	1986	1987	1988
Alabama	226,000	192,000	193,000	216,000	200,000	182,000	177,000	166,000	166,000
Alaska	11,000	10,000	9,000	8,000	19,000	383,000	381,000	418,000	401,000
Arkansas	16,000	16,000	15,000	11,000	12,000	11,000	16,000	16,000	13,000
California+	120,000	82,000	154,000	151,000	141,000	146,000	134,000	130,000	123,000
Central Region Land	23,000	14,000	16,000	17,000	15,000	16,000	15,000	13,000	13,000
Los Angeles Basin Land	15,000	6,000	6,000	6,000	5,000	6,000	8,000	8,000	7,000
San Joaquin Land	81,000	57,000	124,000	117,000	105,000	120,000	109,000	107,000	101,000
State and Federal Offshore+	1,000	5,000	8,000	11,000	16,000	4,000	2,000	2,000	2,000
Colorado	194,000	204,000	186,000	183,000	155,000	173,000	148,000	166,000	181,000
Florida	27,000	NA	17,000	11,000	17,000	17,000	14,000	9,000	16,000
Kansas	389,000	409,000	302,000	443,000	424,000	373,000	440,000	462,000	345,000
Kentucky	25,000	25,000	35,000	31,000	24,000	27,000	29,000	23,000	24,000
Louisiana+	1,346,000	1,327,000	1,295,000	1,332,000	1,188,000	546,000	524,000	525,000	517,000
North	95,000	99,000	85,000	74,000	57,000	65,000	57,000	50,000	56,000
South Land	540,000	544,000	501,000	527,000	454,000	442,000	428,000	429,000	421,000
State and Federal Offshore+	711,000	684,000	709,000	731,000	677,000	39,000	39,000	46,000	40,000
Michigan	112,000	102,000	97,000	105,000	84,000	67,000	88,000	111,000	99,000
Mississippi	20,000	18,000	18,000	19,000	15,000	12,000	11,000	11,000	12,000
Montana	16,000	11,000	18,000	19,000	18,000	21,000	16,000	16,000	11,000
New Mexico	541,000	560,000	531,000	551,000	511,000	445,000	577,000	771,000	1,023,000
East	209,000	214 000	209,000	232,000	221,000	209,000	217,000	192,000	208,000
West	332,000	346,000	322,000	319,000	290,000	236,000	360,000	579,000	815,000
North Dakota	61,000	68,000	71,000	69,000	73,000	74,000	69,000	67,000	52,000
Oklahoma	604,000	631,000	745,000	829,000	769,000	826,000	857,000	781,000	765,000
Pennsylvania	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA
Texas+	2,452,000	2,646,000	2,771,000	3,038,000	3,048,000	2,901,000	2,964,000	2,822,000	2,617,000
District 1	24,000	26,000	29,000	43,000	39,000	40,000	35,000	27,000	30,000
District 2	64,000	88,000	75,000	99,000	103,000	100,000	[illegible]	102,000	92,000
District 3	216,000	230,000	265,000	285,000	270,000	260,000	[illegible]	241,000	208,000
District 4	252,000	260,000	289,000	292,000	295,000	269,000	281,000	277,000	260,000
District 5	44,000	49,000	53,000	73,000	74,000	77,000	86,000	88,000	81,000
District 6	321,000	308,000	278,000	342,000	298,000	293,000	277,000	264,000	263,000
District 7B	85,000	102,000	105,000	133,000	106,000	104,000	109,000	92,000	98,000
District 7C	135,000	186,000	199,000	219,000	233,000	256,000	246,000	243,000	238,000
District 8	498,000	537,000	588,000	681,000	691,000	665,000	717,000	640,000	547,000
District 8A	290,000	335,000	296,000	262,000	282,000	283,000	331,000	307,000	326,000
District 9	92,000	86,000	119,000	121,000	119,000	111,000	119,000	115,000	106,000
District 10	369,000	364,000	391,000	413,000	440,000	433,000	428,000	417,000	363,000
State and Federal Offshore+	62,000	75,000	84,000	75,000	98,000	10,000	9,000	9,000	5,000
Utah	127,000	277,000	NA	NA	NA	NA	NA	NA	NA
West Virginia	97,000	85,000	79,000	91,000	80,000	86,000	950,000	87,000	92,000
Wyoming @	341,000	384,000	681,000	789,000	860,000	949,000	87,000	924,000	1,154,000
Federal Offshore	NA	NA	NA	NA	NA	702,000	681,000	638,000	622,000
Pacific Coast	NA	NA	NA	NA	NA	12,000	15,000	17,000	21,000
Gulf of Mexico	NA	NA	NA	NA	NA	690,000	666,000	621,000	601,000
Other	3,000	21,000	4,000	5,000	5,000	3,000	2,000	4,000	5,000
Total U.S.	**6,728,000**	**7,068,000**	**7,221,000**	**7,901,000**	**7,643,000**	**7,944,000**	**8,165,000**	**8,147,000**	**8,238,000**

* Included in other.
+ Beginning in 1985, includes state offshore only Federal offshore reported separately below.
@ Includes Utah beginning in 1982.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Reserves and Reserves/Production Ratio

U.S. Natural Gas



Source: API, AGA, EIA

Total U.S. Natural Gas Reserves
Millions of cubic feet

	Net Adjustments	Revision Increases	Revision Decreases	Total Revisions & Adjustments	Extensions to Old Reservoirs	New Field Discoveries	New Reservoirs Old Fields	Total Discoveries	Total Revisions, Discoveries, Adjustments	Production	Reserves at Yearend
1966	NA	NA	NA	4,937,962	9,224,745	2,947,329	3,110,396	15,282,470	20,220,430	17,491,070	**289,332,800**
1967	NA	NA	NA	6,570,578	9,538,584	3,170,520	2,524,651	15,233,760	21,804,330	18,380,840	**292,907,700**
1968	NA	NA	NA	3,016,146	7,758,821	1,376,429	1,545,612	10,680,860	13,697,010	19,373,430	**287,349,800**
1969	NA	NA	NA	-1,238,261	5,800,489	1,769,557	2,043,219	9,613,265	8,375,004	20,723,190	**275,108,800**
1970	NA	NA	NA	-99,721	6,158,168	27,770,220	3,367,689	37,296,080	37,196,360	21,960,800	**290,746,400**
1971	NA	NA	NA	-1,227,400	6,374,706	1,317,574	3,360,541	11,052,820	9,825,421	22,076,510	**278,805,600**
1972	NA	NA	NA	-1,077,791	6,153,683	1,462,539	3,096,132	10,712,350	9,634,563	22,511,900	**266,084,800**
1973	NA	NA	NA	-3,474,756	6,177,286	2,152,151	1,970,368	10,299,810	6,825,049	22,605,410	**249,950,200**
1974	NA	NA	NA	-1,333,285	5,847,251	2,013,745	2,151,473	10,012,470	8,679,184	21,318,470	**237,132,500**
1975	NA	NA	NA	383,449	6,027,433	2,423,382	1,649,424	10,100,240	10,483,690	19,718,570	**228,200,200**
1976	NA	NA	NA	-1,197,119	5,337,707	1,421,013	1,993,867	8,752,587	7,555,468	19,542,020	**216,026,100**
1977	NA	NA	NA	983,551	6,601,229	2,114,505	2,152,639	10,868,370	11,851,920	19,447,050	**208,877,900**
1978	NA	NA	NA	118,436	6,733,441	1,719,938	2,014,329	10,467,710	10,586,140	19,311,050	**200,301,700**
*1979	NA	NA	NA	2,907,551	7,113,113	2,575,779	1,689,504	11,378,400	14,285,950	19,910,350	**194,916,600**
*1980	1,201,000	16,972,000	15,923,000	2,250,000	9,357,000	2,539,000	2,577,000	14,473,000	16,723,000	18,699,000	**199,021,000**
1981	1,627,000	16,412,000	13,813,000	4,226,000	10,491,000	3,731,000	2,998,000	17,220,000	21,446,000	18,737,000	**201,730,000**
1982	2,378,000	19,795,000	19,340,000	2,833,000	8,349,000	2,687,000	3,419,000	14,455,000	17,288,000	17,506,000	**201,512,000**
1983	3,090,000	17,602,000	17,617,000	3,075,000	6,909,000	1,574,000	2,965,000	11,448,000	14,523,000	15,788,000	**200,247,000**
1984	-2,241,000	17,841,000	14,712,000	888,000	8,299,000	2,536,000	2,686,000	13,521,000	14,409,000	17,193,000	**197,463,000**
1985	-1,708,000	18,775,000	16,304,000	763,000	7,169,000	999,000	2,960,000	11,128,000	11,891,000	15,985,000	**193,369,000**
1986	1,320,000	21,269,000	17,697,000	4,892,000	6,065,000	1,099,000	1,771,000	8,935,000	13,827,000	15,610,000	**191,586,000**
1987	1,268,000	17,527,000	14,231,000	4,564,000	4,587,000	1,089,000	1,499,000	7,175,000	11,739,000	16,114,000	**187,211,000**
1988	2,193,000	23,367,000	38,427,000	(12,867,000)	6,803,000	1,638,000	1,909,000	10,350,000	(2,517,000)	16,670,000	**168,024,000**

* API data ends 1979; EIA data begins 1980. Some discontinuity exists.

Data from Oil & Gas Journal Energy Database.
Source: American Petrolum Institute, Energy Information Administration

U.S. Natural Gas Reserves
By State
Millions of cubic feet

	1967	1968	1969	1970	1971	1972	1973
Alabama	NA	NA	56,724	162,009	180,508	245,714	327,375
Alaska	3,635,254	5,252,324	5,202,143	31,130,750	31,365,341	31,455,443	31,642,626
Arkansas	2,811,251	2,715,065	2,632,773	2,580,674	2,430,115	2,455,877	2,269,353
California*	7,723,797	7,316,329	6,870,946	6,299,759	5,729,499	5,328,862	5,199,837
Coastal Region*	1,088,824	1,019,859	986,460	966,222	832,743	761,580	684,922
Los Angeles Basin*	913,790	835,102	764,662	654,471	560,624	493,340	439,008
San Joaquin Basin	5,721,183	5,461,368	5,119,824	4,679,066	4,336,132	4,073,942	4,075,907
Colorado	1,769,263	1,660,103	1,596,286	1,628,846	1,818,323	1,655,200	1,868,299
Florida	NA	NA	NA	NA	178,659	180,629	148,914
Illinois	258,604	297,908	337,812	415,414	498,953	545,361	380,525
Indiana	74,781	75,458	77,561	82,674	86,678	87,324	66,682
Kansas	15,283,657	14,511,173	14,125,125	13,325,091	12,535,198	11,938,716	11,722,395
Kentucky	953,983	923,289	920,520	977,842	956,292	938,082	864,921
Louisiana*	86,290,009	88,015,624	85,056,639	82,956,688	78,625,854	74,971,334	69,151,608
North	4,866,490	4,622,735	4,287,202	3,863,479	3,657,209	3,320,328	2,976,133
South*	81,423,519	83,392,889	80,769,432	79,093,208	74,968,645	71,651,006	66,175,480
Michigan	760,912	757,426	750,964	939,671	1,016,482	1,296,815	1,548,508
Mississippi	1,597,007	1,434,078	1,410,898	1,333,905	1,117,432	1,104,336	1,178,218
Montana	837,718	911,533	1,110,208	1,099,923	1,024,561	1,064,036	1,092,449
Nebraska	63,792	56,768	56,594	58,168	59,433	50,260	48,816
New Mexico	15,092,465	15,143,204	14,281,503	13,290,023	13,067,954	12,335,647	12,488,363
East	5,061,776	5,588,844	5,206,938	4,640,020	4,499,921	4,174,773	4,502,977
West	10,030,689	9,554,360	9,074,565	8,650,003	8,568,033	8,160,874	7,985,386
New York	121,086	124,087	120,540	125,961	139,092	139,184	136,842
North Dakota	882,132	866,810	648,564	567,354	503,683	441,625	448,184
Ohio	762,731	783,875	809,293	993,458	1,068,372	1,146,677	1,179,391
Oklahoma	19,403,806	18,368,265	17,593,196	16,954,266	15,712,818	14,492,030	14,098,735
Pennsylvania	1,392,170	1,344,996	1,303,907	1,377,502	1,395,931	1,406,948	1,494,381
Texas*	125,415,064	119,001,106	112,392,622	106,352,993	101,472,104	95,042,043	84,936,502
District 1	2,429,936	2,245,944	2,127,201	1,954,567	1,843,711	1,620,405	1,473,201
District 2*	11,739,786	10,774,613	10,445,403	10,060,030	9,811,922	9,496,136	8,449,920
District 3*	26,946,816	25,529,462	23,751,987	22,813,726	22,115,227	20,696,874	18,526,171
District 4*	32,905,785	32,370,346	31,215,625	29,287,231	27,073,438	24,334,110	19,416,215
District 5	1,451,981	1,347,687	1,428,567	1,393,484	1,260,652	1,171,395	1,149,781
District 6	6,519,607	6,339,422	5,997,201	5,830,740	5,736,503	5,710,441	5,432,193
District 7B	747,870	774,066	786,257	752,131	627,582	663,560	652,076
District 7C	3,894,530	3,917,013	3,766,150	3,602,966	3,074,154	2,581,980	2,430,873
District 8	19,458,263	18,438,065	17,217,339	16,104,203	15,887,502	15,481,337	14,796,454
District 8A	3,454,504	3,245,675	3,001,185	2,596,621	2,533,463	2,366,951	2,121,505
District 9	2,695,677	2,243,361	1,925,141	1,864,447	1,683,171	1,559,594	1,502,193
District 10	13,170,309	11,775,452	10,730,566	10,092,846	9,824,783	9,359,260	8,985,920
Utah	1,226,517	1,156,556	1,090,768	1,065,160	981,954	1,022,110	1,024,723
Virginia	37,798	34,341	31,438	32,511	31,075	35,921	37,273
West Virginia	2,579,986	2,585,581	2,447,324	2,436,378	2,411,784	2,345,957	2,319,828
Wyoming	3,685,459	3,768,535	3,937,045	4,243,331	4,131,492	4,088,728	4,109,523
Other	248,461	245,418	247,441	316,055	266,027	269,987	165,931
Total U.S.	**292,907,703**	**287,349,852**	**275,108,835**	**290,746,408**	**278,805,618**	**266,084,846**	**249,950,207**

U.S. Natural Gas Reserves
By State
Millions of cubic feet

	1974	1975	1976	1977	1978	1979
Alabama	507,370	770,981	707,153	745,538	751,219	933,152
Alaska	31,866,612	32,050,749	31,929,552	31,832,616	31,612,295	31,940,448
Arkansas	2,113,404	1,993,273	1,728,271	1,680,336	1,627,064	1,630,564
California*	5,194,592	5,484,027	5,342,031	5,198,348	5,095,082	5,044,465
Coastal Region*	836,055	743,166	755,830	790,316	848,070	903,196
Los Angeles Basin*	399,753	362,705	340,508	317,202	301,049	261,662
San Joaquin Basin	3,958,784	4,378,156	4,245,693	4,090,830	3,945,963	3,879,607
Colorado	1,881,695	1,893,017	1,887,785	2,025,987	1,965,765	2,043,081
Florida	308,866	266,904	257,502	215,323	160,296	108,629
Illinois	399,414	380,804	376,876	417,783	420,437	471,191
Indiana	64,141	59,839	45,401	53,249	56,710	52,449
Kansas	11,704,731	12,661,181	11,950,564	11,926,191	12,287,341	12,515,773
Kentucky	844,002	812,630	771,544	745,046	718,929	698,963
Louisiana*	64,052,445	61,309,423	57,501,756	52,685,970	49,674,148	45,554,325
North	2,836,554	2,629,673	2,508,892	2,305,547	2,379,165	2,382,024
South*	61,215,891	58,679,750	54,992,864	50,380,423	47,294,983	43,172,301
Michigan	1,458,254	1,606,749	1,598,146	1,791,200	1,768,581	1,797,923
Mississippi	1,079,420	1,207,627	1,061,314	1,307,133	1,410,514	1,429,360
Montana	901,260	929,986	1,106,270	1,043,982	991,668	1,036,091
Nebraska	54,609	55,818	59,158	68,122	72,839	85,002
New Mexico	11,944,902	11,759,294	11,916,617	11,931,112	13,261,489	13,460,738
East	4,327,505	3,980,840	3,921,228	3,864,847	3,615,023	3,612,335
West	7,617,397	7,778,454	7,995,389	8,066,265	9,646,466	9,848,403
New York	165,546	215,843	236,029	247,303	262,711	282,520
North Dakota	432,682	416,848	405,944	392,066	411,485	489,347
Ohio	1,308,210	1,354,010	1,350,581	1,459,430	1,560,478	1,709,082
Oklahoma	13,390,312	13,083,028	12,435,333	11,712,342	11,463,291	11,191,008
Pennsylvania	1,492,145	1,682,460	1,651,898	1,884,932	2,093,516	2,251,312
Texas*	78,540,712	71,036,854	64,651,410	62,157,836	54,600,235	51,610,771
District 1	1,419,873	1,363,529	1,164,851	1,108,409	1,067,071	1,046,246
District 2*	7,386,745	6,186,901	6,295,697	5,901,603	4,326,275	4,181,497
District 3*	17,078,244	16,426,950	14,191,629	15,354,734	13,273,295	12,113,086
District 4*	17,291,294	15,461,167	13,315,253	12,456,467	10,527,441	9,331,672
District 5	986,821	950,557	819,266	708,091	692,917	709,657
District 6	5,026,683	4,203,032	4,334,567	4,458,298	4,302,223	4,692,899
District 7B	659,615	620,212	748,947	840,809	860,879	1,035,429
District 7C	2,303,591	2,086,401	2,053,997	1,829,114	1,679,012	1,564,497
District 8	13,962,887	12,541,137	10,879,589	9,557,332	8,294,307	7,768,399
District 8A	1,953,860	1,389,787	1,324,061	1,212,225	1,075,564	1,090,423
District 9	1,416,465	1,316,277	1,216,469	1,124,048	990,496	932,119
District 10	9,054,639	8,490,904	8,307,084	7,606,706	7,510,755	7,144,847
Utah	1,031,409	917,433	829,862	748,907	698,655	677,079
Virginia	44,707	47,465	56,393	69,041	79,064	75,867
West Virginia	2,265,581	2,311,336	2,273,273	2,375,855	2,683,136	2,867,550
Wyoming	3,917,387	3,703,159	3,704,383	3,962,850	4,315,775	4,685,491
Other	168,084	189,438	191,028	199,380	258,984	274,443
Total U.S.	**237,132,497**	**228,200,176**	**216,026,074**	**208,877,878**	**200,301,707**	**194,916,624**

* Includes adjacent offshore state and federal waters.

Data from Oil & Gas Journal Energy Database
Source: American Petroleum Institute, American Gas Association

U.S. Natural Gas Reserves
By State
Millions of cubic feet

	1978	1979	1980	1981	1982	1983	1984
Alabama	514,000	652,000	636,000	648,000	648,000	785,000	961,000
Alaska	32,045,000	32,259,000	33,382,000	33,037,000	34,990,000	34,283,000	34,476,000
Arkansas	1,681,000	1,703,000	1,774,000	1,801,000	1,958,000	2,069,000	2,227,000
California	4,947,000	5,022,000	5,414,000	5,617,000	5,552,000	5,781,000	5,554,000
Coastal Region Land*	350,000	365,000	299,000	306,000	362,000	381,000	265,000
Los Angeles Basin Land*	178,000	163,000	193,000	154,000	96,000	107,000	156,000
San Joaquin Basin Land	3,960,000	3,941,000	4,344,000	4,163,000	3,901,000	3,819,000	3,685,000
State & Federal Offshore	459,000	553,000	578,000	994,000	1,193,000	1,474,000	1,448,000
Colorado	2,765,000	2,608,000	2,922,000	2,961,000	3,314,000	3,148,000	2,943,000
Florida	119,000	77,000	84,000	69,000	64,000	49,000	65,000
Kansas	10,992,000	10,243,000	9,508,000	9,860,000	9,724,000	9,553,000	9,387,000
Kentucky	545,000	468,000	508,000	530,000	551,000	554,000	613,000
Louisiana	55,725,000	50,042,000	47,325,000	47,377,000	44,916,000	42,561,000	41,399,000
North	3,203,000	2,798,000	3,076,000	3,270,000	2,912,000	2,939,000	2,494,000
South Land*	17,755,000	13,994,000	13,026,000	12,645,000	11,801,000	11,142,000	10,331,000
State & Federal Offshore	34,767,000	33,250,000	31,223,000	31,462,000	30,203,000	28,480,000	28,574,000
Michigan	1,422,000	1,204,000	1,406,000	1,118,000	1,084,000	1,219,000	1,112,000
Mississippi	1,635,000	1,504,000	1,769,000	2,035,000	1,796,000	1,596,000	1,491,000
Montana	926,000	825,000	1,287,000	1,321,000	847,000	896,000	802,000
New Mexico	12,688,000	13,724,000	13,287,000	13,870,000	12,418,000	11,676,000	11,364,000
East	3,889,000	4,031,000	3,530,000	3,598,000	3,432,000	3,230,000	3,197,000
West	8,799,000	9,693,000	9,757,000	10,272,000	8,986,000	8,446,000	8,167,000
New York	193,000	211,000	208,000	264,000	229,000	295,000	389,000
North Dakota	374,000	439,000	537,000	581,000	629,000	600,000	566,000
Ohio	684,000	1,479,000	1,699,000	965,000	1,141,000	2,030,000	1,541,000
Oklahoma	14,417,000	13,816,000	13,138,000	14,699,000	16,207,000	16,211,000	16,126,000
Pennsylvania	899,000	1,515,000	951,000	1,264,000	1,429,000	1,882,000	1,575,000
Texas	55,583,000	53,021,000	50,287,000	50,469,000	49,757,000	50,052,000	49,883,000
District 1	986,000	919,000	829,000	1,022,000	892,000	1,087,000	838,000
District 2*	2,976,000	2,974,000	2,502,000	2,629,000	2,493,000	2,534,000	2,512,000
District 3*	7,186,000	6,315,000	5,531,000	5,292,000	4,756,000	4,680,000	4,708,000
District 4*	9,031,000	8,326,000	8,130,000	8,004,000	8,410,000	8,316,000	8,525,000
District 5	1,298,000	1,155,000	1,147,000	1,250,000	1,308,000	1,448,000	1,874,000
District 6	3,240,000	3,258,000	4,230,000	4,177,000	4,326,000	4,857,000	4,703,000
District 7B	743,000	751,000	745,000	804,000	805,000	1,027,000	794,000
District 7C	2,821,000	2,842,000	2,378,000	2,503,000	2,659,000	2,568,000	2,866,000
District 8	11,093,000	10,077,000	9,144,000	8,546,000	8,196,000	8,156,000	7,343,000
District 8A	1,473,000	1,055,000	1,057,000	1,071,000	1,041,000	966,000	907,000
District 9	908,000	700,000	649,000	953,000	1,103,000	932,000	900,000
District 10	7,406,000	6,784,000	6,435,000	6,229,000	6,210,000	5,919,000	5,461,000
State & Federal Offshore	6,422,000	7,865,000	7,510,000	7,989,000	7,558,000	7,562,000	8,452,000
Utah	925,000	948,000	1,201,000	1,912,000	2,161,000	2,333,000	2,080,000
Virginia	NA	NA	NA	118,000	122,000	175,000	216,000
West Virginia	1,634,000	1,558,000	2,422,000	1,834,000	2,148,000	2,194,000	2,136,000
Wyoming	7,211,000	7,526,000	9,100,000	9,307,000	9,758,000	10,227,000	10,482,000
Other	109,000	153,000	176,000	73,000	69,000	78,000	75,000
Total U.S.	**208,033,000**	**200,997,000**	**199,021,000**	**201,730,000**	**201,512,000**	**200,247,000**	**197,463,000**

U.S. Natural Gas Reserves
By State
Millions of cubic feet

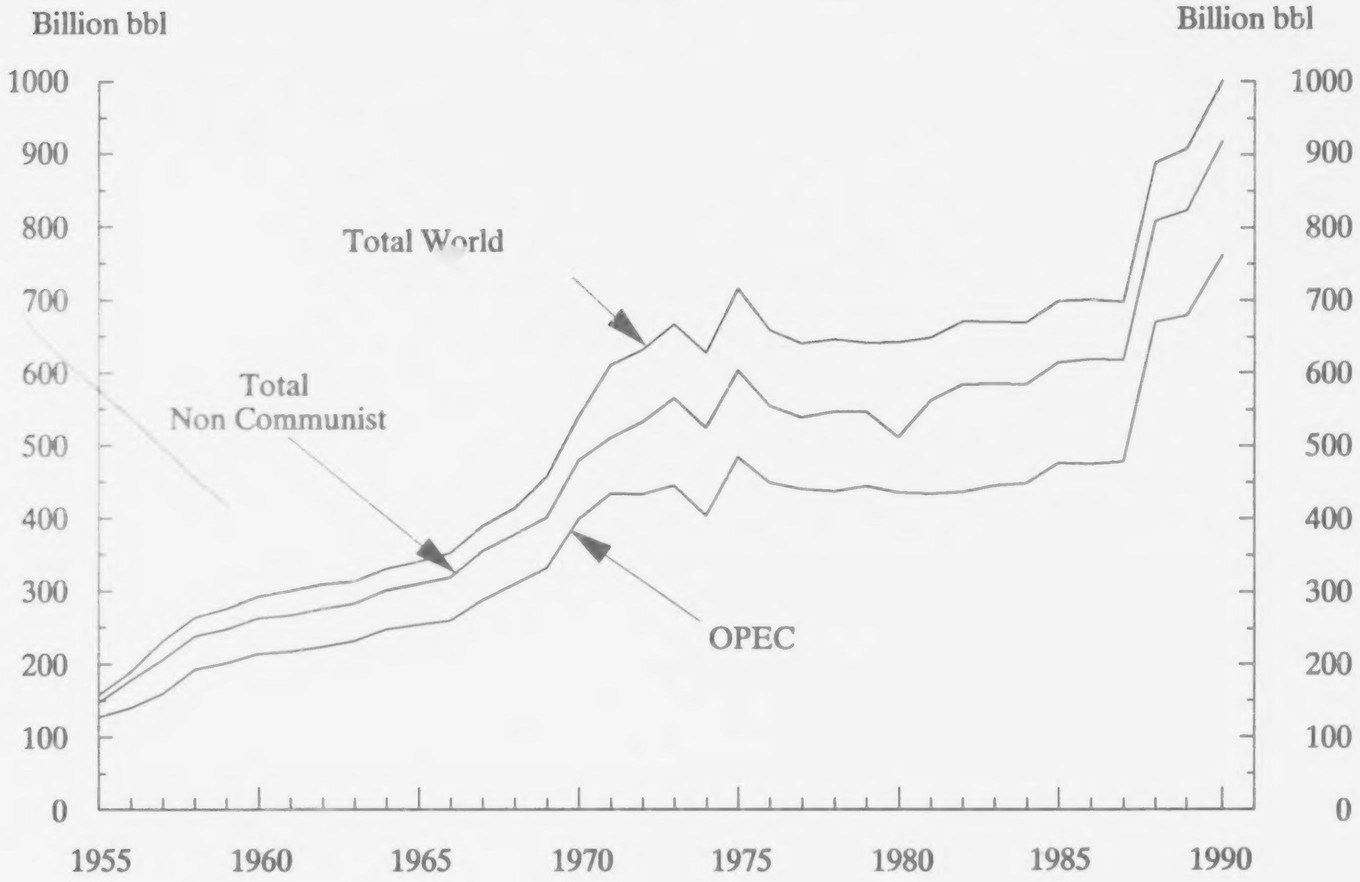
	1985	1986	1987	1988
Alabama	821,000	951,000	842,000	809,000
Alaska	33,847,000	32,664,000	33,225,000	9,078,000
Arkansas	2,019,000	1,992,000	1,997,000	1,986,000
California	4,325,000	3,928,000	3,740,000	3,519,000
Coastal Region Land*	256,000	255,000	238,000	215,000
Los Angeles Basin Land*	181,000	142,000	148,000	151,000
San Joaquin Basin Land	3,574,000	3,277,000	3,102,000	2,912,000
State & Federal Offshore	314,000	254,000	252,000	241,000
Colorado	2,881,000	3,027,000	2,942,000	3,535,000
Florida	55,000	49,000	49,000	51,000
Kansas	9,337,000	10,509,000	10,494,000	10,104,000
Kentucky	766,000	841,000	909,000	923,000
Louisiana	14,038,000	12,930,000	12,430,000	12,224,000
North	2,587,000	2,515,000	2,306,000	2,398,000
South Land*	9,808,000	9,103,000	8,693,000	8,654,000
State & Federal Offshore	1,643,000	1,312,000	1,431,000	1,172,000
Michigan	985,000	1,139,000	1,451,000	1,323,000
Mississippi	1,360,000	1,300,000	1,220,000	1,143,000
Montana	857,000	803,000	780,000	819,000
New Mexico	10,900,000	11,808,000	11,620,000	17,166,000
East	3,034,000	2,694,000	2,881,000	2,945,000
West	7,866,000	9,114,000	8,739,000	14,221,000
New York	369,000	457,000	410,000	351,000
North Dakota	569,000	541,000	508,000	541,000
Ohio	1,331,000	1,420,000	1,069,000	1,229,000
Oklahoma	16,040,000	16,685,000	16,711,000	16,495,000
Pennsylvania	1,617,000	1,560,000	1,647,000	2,072,000
Texas	41,775,000	40,574,000	38,711,000	38,167,000
District 1	967,000	913,000	812,000	1,173,000
District 2*	2,358,000	2,130,000	2,273,000	2,037,000
District 3*	4,180,000	3,753,000	3,632,000	3,422,000
District 4*	8,250,000	8,274,000	7,490,000	7,029,000
District 5	2,058,000	2,141,000	2,119,000	1,996,000
District 6	4,822,000	4,854,000	4,682,000	4,961,000
District 7B	708,000	684,000	697,000	704,000
District 7C	2,914,000	2,721,000	2,708,000	2,781,000
District 8	7,330,000	7,333,000	6,999,000	7,058,000
District 8A	958,000	845,000	876,000	832,000
District 9	892,000	868,000	834,000	783,000
District 10	5,469,000	5,276,000	4,962,000	4,830,000
State & Federal Offshore	869,000	732,000	627,000	561,000
Utah	1,999,000	1,895,000	1,947,000	1,298,000
Virginia	235,000	253,000	248,000	230,000
West Virginia	2,058,000	2,148,000	2,242,000	2,306,000
Wyoming	10,617,000	9,756,000	10,023,000	10,308,000
Federal Offshore	34,492,000	34,223,000	31,931,000	32,264,000
Pacific Coast	1,119,000	1,325,000	1,452,000	1,552,000
Gulf of Mexico	33,373,000	32,898,000	30,479,000	30,712,000
Other	76,000	133,000	65,000	83,000
Total U.S.	**193,369,000**	**191,586,000**	**187,211,000**	**168,024,000**

* Excludes adjacent offshore state and federal waters which were included in the previous data series on reserves from API/AGA.

Data from Oil & Gas Journal Energy Database
Source: Energy Information Administration

Worldwide Crude Oil Reserves

January 1



Source: OGJ

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1952	1953	1954	1955	1956	1957	1958	1959	1960
United States	27,468,030	27,960,550	28,944,830	29,560,750	30,012,170	30,434,650	30,300,400	30,535,920	31,719,350
Canada	1,600,000	1,800,000	1,950,000	2,850,000	2,207,614	3,500,000	4,000,000	4,000,000	4,590,000
Argentina	340,000	330,000	325,000	410,000	400,000	400,000	750,000	1,000,000	2,000,000
Barbados	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bolivia	40,000	40,000	12,000	45,000	50,000	70,000	70,000	90,000	94,000
Brazil	35,000	45,000	50,000	60,000	27,000	40,000	140,000	250,000	250,000
Chile	35,000	45,000	55,000	55,000	25,000	25,000	40,000	50,000	65,000
Colombia	450,000	470,000	550,000	570,000	580,000	650,000	650,000	700,000	750,000
Ecuador	25,000	25,000	28,000	28,000	25,000	25,000	25,000	25,000	24,000
Guatemala	NA	NA	NA	NA	NA	NA	NA	NA	NA
Honduras	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mexico	1,424,000	1,525,000	1,725,000	1,750,000	1,900,000	2,500,000	2,750,000	2,500,000	2,500,000
Peru	250,000	250,000	250,000	225,000	225,000	275,000	275,000	325,000	325,000
Suriname	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trinidad & Tobago	240,000	250,000	285,000	280,000	280,000	285,000	300,000	400,000	425,000
Venezuela	9,031,000	8,900,000	9,900,000	10,930,000	12,000,000	13,200,000	16,000,000	16,500,000	18,000,000
Latin America	11,870,000	11,880,000	13,180,000	14,353,000	15,512,000	17,470,000	21,000,000	21,840,000	24,433,000
Western Hemisphere	40,938,030	41,640,550	44,074,830	46,763,750	47,731,784	51,404,650	55,300,400	56,375,920	60,742,350
Austria	150,000	160,000	NA	NA	400,000	395,000	350,000	300,000	250,000
Denmark	NA	NA	NA	NA	NA	NA	NA	NA	NA
France	25,000	30,000	32,000	100,000	120,000	150,000	150,000	175,000	200,000
Germany, West	185,000	200,000	300,000	435,000	495,000	454,000	450,000	420,000	500,000
Greece	NA	NA	NA	NA	NA	NA	NA	NA	NA
Italy	2,500	5,000	6,000	90,000	110,000	150,000	200,000	300,000	300,000
Netherlands	75,000	75,000	100,000	90,000	95,000	115,000	115,000	200,000	200,000
Norway	NA	NA	NA	NA	NA	NA	NA	NA	NA
Spain	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turkey	20,000	35,000	80,000	65,000	65,000	65,000	65,000	70,000	70,000
United Kingdom	3,000	2,700	3,500	4,200	5,000	5,000	7,000	7,000	6,000
Western Europe	460,500	507,700	521,500	784,200	1,290,000	1,334,000	1,337,000	1,472,000	1,526,000
Afghanistan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Australia	NA	NA	NA	1,000	1,000	1,000	1,000	1,000	1,000
Bangladesh	NA	NA	NA	NA	NA	NA	NA	NA	NA
Brunei	* 500,000	* 500,000	* 500,000	* 525,000	* 500,000	* 600,000	* 550,000	* 500,000	* 500,000
Burma	140,000	140,000	50,000	45,000	45,000	45,000	45,000	45,000	45,000
India	25,000	25,000	30,000	50,000	60,000	400,000	400,000	500,000	525,000
Indonesia	1,250,000	1,300,000	1,900,000	1,900,000	2,300,000	5,000,000	7,500,000	8,500,000	9,000,000
Japan	20,000	25,000	28,000	52,000	22,000	22,000	25,000	50,000	50,000
Mayalsia	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA
New Zealand	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pakistan	20,000	22,000	25,000	20,000	22,000	22,000	22,000	20,000	25,000
Papua, New Guinea	30,000	50,000	50,000	115,000	50,000	50,000	35,000	30,000	28,000
Philippines	NA	NA	NA	NA	NA	NA	NA	NA	1,000
Taiwan	NA	NA	NA	NA	NA	NA	NA	500	500
Thailand	NA	NA	NA	NA	NA	NA	NA	NA	NA
Asia-Pacific	1,985,000	2,062,000	2,583,000	2,708,000	3,000,000	6,140,000	8,578,000	9,646,500	10,175,500

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1952	1953	1954	1955	1956	1957	1958	1959	1960
Abu Dhabi	NA	NA	NA	NA	NA	NA	NA	100,000	100,000
Bahrain	300,000	290,000	280,000	215,000	205,000	205,000	200,000	230,000	225,000
Dubai	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iran	15,000,000	15,000,000	15,000,000	15,000,000	27,000,000	30,000,000	32,000,000	33,000,000	35,000,000
Iraq	10,000,000	12,000,000	13,000,000	14,250,000	20,000,000	22,000,000	25,000,000	25,000,000	25,000,000
Israel	NA	NA	NA	NA	1,000	50,000	50,000	50,000	40,000
Jordan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kuwait	15,000,000	20,000,000	20,000,000	30,000,000	40,000,000	50,000,000	60,000,000	60,000,000	62,000,000
Neutral Zone	NA	NA	300,000	429,000	500,000	650,000	5,000,000	6,000,000	6,500,000
North Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oman	NA	NA	NA	NA	NA	NA	NA	NA	NA
Qatar	1,200,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,750,000	2,500,000	2,500,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	12,000,000	16,000,000	28,000,000	36,000,000	37,000,000	40,000,000	45,000,000	47,000,000	50,000,000
Sharjah	NA	NA	NA	NA	NA	NA	NA	NA	NA
South Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA
Syria	NA	NA	NA	NA	NA	NA	1,000	1,000	1,000
Middle East	**53,500,000**	**64,790,000**	**78,080,000**	**97,394,000**	**126,206,000**	**144,405,000**	**169,001,000**	**173,881,000**	**181,366,000**
Algeria	NA	NA	5,000	5,000	5,000	15,000	500,000	3,500,000	5,000,000
Angola-Cabinda	NA	NA	NA	NA	NA	NA	NA	25,000	25,000
Benin	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	NA
Congo	NA	NA	NA	NA	NA	NA	NA	10,000	10,000
Egypt	170,000	155,000	140,000	92,000	150,000	250,000	275,000	400,000	500,000
Gabon	NA	NA	NA	NA	NA	NA	NA	100,000	150,000
Ghana	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA
Libya	NA	NA	NA	NA	NA	NA	NA	50,000	1,500,000
Morocco	5,000	8,000	13,000	15,000	14,000	10,000	9,000	8,500	8,500
Nigeria	NA	NA	NA	NA	NA	10,000	30,000	25,000	80,000
South Africa	NA	NA	NA	NA	NA	NA	NA	NA	NA
Senegal	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sudan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tunisia	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zaire	NA	NA	NA	NA	NA	NA	NA	NA	NA
Africa	**175,000**	**163,000**	**158,000**	**112,000**	**169,000**	**285,000**	**814,000**	**4,118,500**	**7,273,500**
Eastern Hemisphere	**56,120,500**	**67,522,700**	**81,342,500**	**100,998,200**	**130,665,000**	**152,164,000**	**179,730,000**	**189,118,000**	**200,341,000**
Total Non-Communist	**97,058,530**	**109,163,250**	**125,417,330**	**147,761,950**	**178,396,784**	**203,568,650**	**235,030,400**	**245,493,920**	**261,083,350**
China	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cuba	3,850	3,500	2,000	3,000	3,000	4,000	3,500	3,000	2,600
U.S.S.R.	NA	NA	NA	NA	NA	NA	NA	NA	NA
Yugoslavia	NA	NA	NA	NA	36,000	36,000	32,000	35,000	40,000
Other Communist	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Communist	**7,920,850**	**9,411,500**	**9,742,000**	**10,390,000**	**10,872,000**	**25,040,000**	**26,235,500**	**27,743,000**	**30,179,600**
Total World	**104,979,380**	**118,574,750**	**135,159,330**	**158,151,950**	**189,268,784**	**228,608,650**	**261,265,900**	**273,236,920**	**291,262,950**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
United States	31,613,210	31,758,500	31,389,220	30,969,990	30,990,510	31,352,390	31,452,130	31,376,670	30,707,120	29,631,860
Canada	5,000,000	5,000,000	4,600,000	5,675,000	5,281,000	7,500,000	8,250,000	8,791,750	9,900,000	8,782,000
Argentina	2,200,000	2,400,000	2,400,000	2,300,000	2,000,000	1,900,000	2,905,000	2,905,000	3,100,000	4,000,000
Barbados	NA	NA	NA	NA	NA	NA	1,000	1,000	1,000	1,000
Bolivia	95,000	125,000	125,000	200,000	400,000	400,000	500,000	600,000	585,000	251,000
Brazil	300,000	325,000	300,000	300,000	900,000	500,000	1,000,000	700,000	850,000	882,000
Chile	110,000	150,000	150,000	200,000	225,000	200,000	175,000	150,000	136,000	130,000
Colombia	750,000	750,000	850,000	900,000	1,200,000	1,500,000	1,700,000	2,000,000	1,700,000	1,750,000
Ecuador	30,000	30,000	25,000	25,000	25,000	20,000	18,000	25,000	325,000	500,000
Guatemala	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Honduras	NA	NA	NA	NA	NA	500	1,000	1,000	500	500
Mexico	2,250,000	2,500,000	2,500,000	2,500,000	2,800,000	2,500,000	2,500,000	2,600,000	5,500,000	6,000,000
Peru	375,000	400,000	375,000	380,000	425,000	400,000	400,000	500,000	475,000	315,000
Suriname	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trinidad & Tobago	450,000	475,000	500,000	500,000	550,000	500,000	500,000	425,000	610,000	600,000
Venezuela	18,500,000	17,550,000	17,000,000	17,000,000	17,000,000	17,250,000	17,400,000	17,000,000	15,500,000	14,750,000
Latin America	**25,060,000**	**24,705,000**	**24,225,000**	**24,305,000**	**25,525,000**	**25,170,500**	**27,100,000**	**26,907,000**	**28,782,500**	**29,179,500**
Western Hemisphere	**61,673,210**	**61,463,500**	**60,214,220**	**60,949,990**	**61,796,510**	**64,022,890**	**66,802,130**	**67,075,420**	**69,389,620**	**67,593,360**
Austria	275,000	260,000	240,000	240,000	275,000	260,000	209,100	201,000	200,000	147,000
Denmark	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
France	225,000	225,000	225,000	235,000	235,000	230,000	210,000	205,000	185,000	150,000
Germany, West	500,000	500,000	550,000	650,000	650,000	640,000	586,000	710,000	720,000	700,000
Greece	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Italy	320,000	320,000	320,000	300,000	325,000	320,000	306,000	300,000	275,000	250,000
Netherlands	250,000	250,000	250,000	250,000	300,000	350,000	334,000	331,000	300,000	275,000
Norway	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Spain	NA	NA	NA	NA	100	10,000	10,000	10,000	14,000	10,000
Turkey	75,000	75,000	100,000	350,000	700,000	500,000	1,000,000	750,000	700,000	650,000
United Kingdom	5,000	6,000	6,000	600	500	10,000	9,400	10,000	8,000	7,000
Western Europe	**1,650,000**	**1,636,000**	**1,691,000**	**2,025,600**	**2,485,600**	**2,320,000**	**2,664,500**	**2,517,000**	**2,402,000**	**2,189,000**
Afghanistan	NA	NA	NA	NA	NA	NA	100,000	110,000	100,000	100,000
Australia	1,000	2,000	50,000	150,000	50,000	60,000	607,900	440,000	2,500,000	2,500,000
Bangladesh	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Brunei	* 500,000	* 715,000	* 650,000	* 600,000	* 707,500	* 500,000	* 470,000	* 500,000	* 600,000	* 650,000
Burma	45,000	45,000	40,000	35,000	30,000	40,000	36,000	35,000	40,000	50,000
India	750,000	500,000	500,000	750,000	750,000	800,000	1,400,000	1,638,000	1,500,000	715,000
Indonesia	9,500,000	9,500,000	10,000,000	10,000,000	10,000,000	9,500,000	9,100,000	9,000,000	8,850,000	9,000,000
Japan	60,000	60,000	50,000	50,000	50,000	45,000	35,600	36,000	35,000	34,000
Mayalsia	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA
New Zealand	NA	NA	NA	100	100	26,000	26,000	26,000	26,000	26,000
Pakistan	25,000	25,000	25,000	25,000	25,000	36,000	32,000	30,000	50,000	45,000
Papua, New Guinea	25,000	20,000	15,000	10,000	NA	NA	NA	NA	NA	NA
Philippines	NA	100	500	500	500	500	NA	NA	NA	NA
Taiwan	500	500	300	300	300	1,000	750	745	19,000	18,000
Thailand	NA	NA	300	300	300	250	222	200	200	150
Asia-Pacific	**10,906,500**	**10,867,600**	**11,331,100**	**11,621,200**	**11,613,700**	**11,008,750**	**11,808,472**	**11,815,945**	**13,720,200**	**13,138,150**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Abu Dhabi	250,000	3,500,000	5,000,000	7,500,000	7,700,000	10,000,000	12,500,000	15,000,000	18,000,000	16,000,000
Bahrain	250,000	245,000	245,000	243,000	250,000	230,000	200,000	195,000	170,000	343,000
Dubai	NA	NA	NA	NA	NA	NA	NA	NA	1,000,000	1,000,000
Iran	35,000,000	35,000,000	37,000,000	37,000,000	38,000,000	40,000,000	44,200,000	43,800,000	54,000,000	55,000,000
Iraq	27,000,000	26,500,000	26,000,000	25,500,000	25,000,000	25,000,000	24,000,000	23,500,000	28,000,000	27,500,000
Israel	35,000	34,000	30,000	25,000	30,000	30,000	14,600	14,000	15,000	13,000
Jordan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kuwait	62,000,000	62,000,000	63,000,000	63,500,000	63,000,000	62,500,000	68,700,000	70,000,000	69,000,000	68,000,000
Neutral Zone	6,000,000	6,000,000	7,500,000	10,000,000	12,500,000	12,400,000	13,000,000	13,500,000	15,000,000	13,000,000
North Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oman	NA	NA	NA	NA	500,000	500,000	500,000	2,500,000	2,500,000	5,000,000
Qatar	2,500,000	2,750,000	3,000,000	2,950,000	3,500,000	3,000,000	4,000,000	3,750,000	3,875,000	5,500,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	50,000,000	52,000,000	52,000,000	60,000,000	60,500,000	60,000,000	66,000,000	74,700,000	77,000,000	140,000,000
Sharjah	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
South Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Syria	50,000	100,000	100,000	300,000	500,000	1,200,000	1,500,000	1,500,000	1,500,000	1,500,000
Middle East	**183,085,000**	**188,129,000**	**193,875,000**	**207,018,000**	**211,480,000**	**214,860,000**	**234,614,600**	**248,459,000**	**270,060,000**	**332,856,000**
Algeria	5,200,000	5,500,000	6,500,000	7,000,000	7,500,000	7,400,000	7,250,000	6,900,000	7,000,000	8,000,000
Angola-Cabinda	30,000	30,000	50,000	200,000	200,000	150,000	140,000	500,000	500,000	645,000
Benin	NA	NA	NA	NA	NA	NA	NA	NA	20,000	20,000
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Congo	10,000	10,000	10,000	10,000	10,000	9,000	8,000	7,500	6,800	6,000
Egypt	550,000	710,000	720,000	1,500,000	1,500,000	2,000,000	944,000	1,400,000	2,100,000	5,000,000
Gabon	150,000	150,000	150,000	150,000	170,000	175,000	200,000	350,000	465,000	500,000
Ghana	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Libya	2,000,000	3,000,000	4,500,000	7,000,000	9,000,000	10,000,000	20,000,000	29,200,000	30,000,000	35,000,000
Morocco	9,500	9,500	15,000	15,000	15,000	14,500	12,500	11,750	8,000	7,500
Nigeria	150,000	300,000	400,000	500,000	1,000,000	3,000,000	3,500,000	3,550,000	4,000,000	5,000,000
South Africa	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Senegal	NA	NA	500	500	500	NA	NA	NA	NA	NA
Sudan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tunisia	NA	NA	NA	NA	100	300,000	300,000	365,000	468,000	500,000
Zaire	NA	NA	NA	NA	NA	500	1,000	1,000	1,000	1,000
Africa	**8,099,500**	**9,709,500**	**12,345,500**	**16,375,500**	**19,395,600**	**23,049,000**	**32,355,500**	**42,285,250**	**44,568,800**	**54,679,500**
Eastern Hemisphere	**203,741,000**	**210,342,100**	**219,242,600**	**237,040,300**	**244,974,900**	**251,237,750**	**281,443,072**	**305,077,195**	**330,751,000**	**402,862,650**
Total Non-Communist	**265,414,210**	**271,805,600**	**279,456,820**	**297,990,290**	**306,771,410**	**315,260,640**	**348,245,202**	**372,152,615**	**400,140,620**	**470,456,010**
China	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cuba	1,800	1,000	500	NA	NA	NA	300	250	275	250
U.S.S.R.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Yugoslavia	147,000	175,000	200,000	250,000	250,000	265,000	260,000	250,000	235,000	240,000
Other Communist	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Communist	**33,650,800**	**34,428,000**	**30,176,500**	**29,750,000**	**31,000,000**	**33,750,000**	**34,098,300**	**36,023,250**	**56,112,275**	**60,240,250**
Total World	**299,065,010**	**306,233,600**	**309,633,320**	**327,740,290**	**337,771,410**	**349,010,640**	**382,343,502**	**408,175,865**	**456,252,895**	**530,696,260**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
United States	**39,001,330**	**38,062,960**	**36,339,410**	**35,299,840**	**34,249,960**	**32,682,130**	**30,942,170**	**29,486,400**	**27,803,760**	**27,051,290**
Canada	**10,750,000**	**8,448,300**	**10,200,000**	**9,424,170**	**9,400,000**	**7,100,000**	**6,200,000**	**6,000,000**	**6,000,000**	**6,800,000**
Argentina	4,500,000	2,500,000	4,900,000	2,500,000	2,346,000	2,465,000	2,300,000	2,503,000	2,400,000	2,400,000
Barbados	750	750	750	250	25,000	21,400	3,650	1,000	500	1,500
Bolivia	225,000	217,000	200,000	260,000	250,000	235,000	240,000	350,000	250,000	150,000
Brazil	850,000	1,000,000	857,000	799,000	775,000	780,000	800,000	880,000	1,200,000	1,220,000
Chile	125,000	120,000	125,000	124,000	200,000	190,000	182,000	440,000	400,000	400,000
Colombia	1,675,000	1,663,000	1,500,000	1,432,000	900,000	556,600	825,000	960,000	750,000	710,000
Ecuador	750,000	5,748,000	5,750,000	5,675,000	2,500,000	2,450,000	1,700,000	1,640,000	1,170,000	1,100,000
Guatemala	NA	NA	10,000	0	0	0	21,300	16,000	16,000	16,000
Honduras	500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mexico	3,200,000	4,500,000	2,800,000	3,600,000	13,582,000	9,500,000	7,000,000	14,000,000	16,000,000	31,250,000
Peru	270,000	400,000	750,000	1,050,000	2,500,000	770,000	747,000	730,000	560,000	655,000
Suriname	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trinidad & Tobago	575,000	1,500,000	2,000,000	2,200,000	2,500,000	700,000	520,000	650,000	500,000	700,000
Venezuela	14,000,000	13,900,000	13,700,000	14,000,000	15,000,000	17,700,000	15,270,000	18,200,000	18,000,000	17,870,000
Latin America	**26,171,250**	**31,548,750**	**32,592,750**	**31,640,250**	**40,578,000**	**35,368,000**	**29,608,950**	**40,370,000**	**41,246,500**	**56,472,500**
Western Hemisphere	**75,922,580**	**78,060,010**	**79,132,160**	**76,364,260**	**84,227,960**	**75,150,130**	**66,751,120**	**75,856,400**	**75,050,260**	**90,323,790**
Austria	180,000	185,000	175,000	157,000	182,000	167,000	160,000	154,500	150,000	141,400
Denmark	NA	250,000	250,000	248,500	247,000	245,000	300,000	50,000	300,000	375,000
France	125,000	92,000	81,000	80,000	142,000	88,000	50,000	43,000	56,000	50,000
Germany, West	584,000	591,000	551,000	544,000	550,000	372,700	332,510	320,000	310,000	480,000
Greece	NA	NA	NA	NA	NA	40,000	40,000	25,000	150,000	150,000
Italy	225,000	224,000	220,000	212,000	750,000	700,000	315,000	600,000	650,000	645,000
Netherlands	261,000	260,000	250,000	251,000	250,000	250,000	91,300	80,000	70,000	60,000
Norway	1,000,000	7,000,000	2,000,000	4,000,000	7,300,000	7,000,000	5,660,000	6,000,000	5,900,000	5,750,000
Spain	8,500	305,000	55,000	60,000	293,000	250,000	440,000	265,000	80,000	150,000
Turkey	645,000	580,000	550,000	450,000	500,000	107,100	390,000	370,000	360,000	125,000
United Kingdom	1,000,000	5,000,000	5,000,000	10,000,000	15,700,000	16,000,000	16,800,000	19,000,000	16,000,000	15,400,000
Western Europe	**4,028,500**	**14,487,000**	**9,132,000**	**16,002,500**	**25,914,000**	**25,219,800**	**24,578,810**	**26,907,500**	**24,026,000**	**23,326,400**
Afghanistan	95,000	90,000	89,900	89,840	85,000	85,000	85,000	84,000	NA	NA
Australia	2,000,000	2,896,000	2,121,460	2,300,000	2,300,000	1,700,000	1,380,000	2,000,000	2,100,000	2,130,000
Bangladesh	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Brunei	* 1,000,000	* 950,000	* 1,500,000	* 1,600,000	* 2,500,000	2,000,000	1,625,000	1,550,000	1,480,000	1,800,000
Burma	40,000	6,000	75,000	67,800	65,000	70,000	63,000	55,000	45,000	25,000
India	956,000	949,000	834,000	779,000	834,000	913,000	3,000,000	3,000,000	2,900,000	2,600,000
Indonesia	10,000,000	10,400,000	10,005,000	10,500,000	15,000,000	14,000,000	10,500,000	10,000,000	10,200,000	9,600,000
Japan	30,000	29,000	23,000	19,000	30,000	25,000	28,000	63,000	60,000	55,000
Mayalsia	* NA	* NA	* NA	* NA	* NA	2,500,000	2,430,000	2,500,000	2,800,000	2,800,000
New Zealand	226,000	225,000	224,000	224,000	75,000	75,000	190,000	105,000	110,000	110,000
Pakistan	41,500	38,000	34,500	31,200	28,700	26,000	75,000	280,000	200,000	200,000
Papua, New Guinea	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Philippines	NA	NA	NA	NA	NA	NA	NA	NA	100,000	25,000
Taiwan	20,000	21,000	15,000	14,000	15,000	15,000	15,000	12,000	12,000	10,200
Thailand	148	500	400	10,200	115,000	230	140	270	200	0
Asia-Pacific	**14,408,648**	**15,604,500**	**14,922,260**	**15,635,040**	**21,047,700**	**21,409,230**	**19,391,140**	**19,649,270**	**20,007,200**	**19,355,200**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Abu Dhabi	11,800,000	18,948,000	20,768,000	21,500,000	30,000,000	29,500,000	29,000,000	31,000,000	30,000,000	28,000,000
Bahrain	634,000	631,000	375,000	360,000	336,000	312,000	290,000	270,000	250,000	240,000
Dubai	983,000	1,554,000	2,000,000	2,500,000	2,420,000	1,350,000	1,500,000	1,400,000	1,300,000	1,400,000
Iran	70,000,000	55,500,000	65,000,000	60,000,000	66,000,000	64,500,000	63,000,000	62,000,000	59,000,000	58,000,000
Iraq	32,000,000	35,990,000	29,000,000	31,500,000	35,000,000	34,300,000	34,000,000	34,500,000	32,100,000	31,000,000
Israel	12,900	10,000	9,000	2,500	2,200	1,470	1,220	1,000	10,000	1,000
Jordan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kuwait	67,100,000	66,023,000	64,900,000	64,000,000	72,800,000	68,000,000	67,400,000	67,000,000	66,200,000	65,400,000
Neutral Zone	25,700,000	24,350,000	16,000,000	17,500,000	17,300,000	6,400,000	6,300,000	6,200,000	6,480,000	6,260,000
North Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oman	1,700,000	5,200,000	5,000,000	5,250,000	6,000,000	5,900,000	5,800,000	5,650,000	2,500,000	2,400,000
Qatar	4,300,000	6,000,000	7,000,000	6,500,000	6,000,000	5,850,000	5,700,000	5,600,000	4,000,000	3,760,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	128,500,000	145,300,000	138,000,000	132,000,000	164,500,000	148,600,000	151,400,000	150,000,000	165,700,000	163,350,000
Sharjah	NA	NA	NA	1,500,000	1,500,000	1,350,000	700,000	25,000	16,000	11,300
South Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Syria	1,200,000	7,300,000	7,250,000	7,100,000	1,500,000	2,240,000	2,200,000	2,150,000	2,080,000	2,000,000
Middle East	**343,929,900**	**366,806,000**	**355,302,000**	**349,712,500**	**403,358,200**	**368,303,470**	**367,291,220**	**365,796,000**	**369,636,000**	**361,822,300**
Algeria	30,000,000	12,250,000	47,000,000	7,640,000	7,700,000	7,370,000	6,800,000	6,600,000	6,300,000	8,440,000
Angola-Cabinda	500,000	803,000	1,200,000	1,500,000	1,175,000	1,300,000	1,210,000	1,160,000	1,115,000	1,200,000
Benin	1,000	1,000	1,000	NA	NA	NA	NA	NA	NA	NA
Cameroon	NA	NA	NA	NA	NA	NA	NA	60,000	50,000	140,000
Congo	3,600	3,300,000	5,000,000	4,888,000	4,874,000	2,450,000	285,000	360,000	315,000	400,000
Egypt	4,500,000	4,000,000	5,200,000	5,125,000	3,700,000	3,900,000	1,950,000	2,450,000	3,200,000	3,100,000
Gabon	700,000	750,000	1,100,000	1,500,000	1,750,000	2,200,000	2,125,000	2,050,000	1,970,000	500,000
Ghana	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	7,000
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Libya	29,200,000	25,000,000	30,400,000	25,500,000	26,600,000	26,100,000	25,500,000	25,000,000	24,300,000	23,500,000
Morocco	920	1,200	1,000	750	450	220	200	150	125	100
Nigeria	9,300,000	11,680,000	15,000,000	20,000,000	20,900,000	20,200,000	19,500,000	18,700,000	18,200,000	17,400,000
South Africa	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Senegal	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sudan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tunisia	550,000	600,000	1,000,000	950,000	1,100,000	1,065,000	2,700,000	2,670,000	2,300,000	2,250,000
Zaire	1,000	500,000	500,000	200,000	500,000	500,000	500,000	150,000	142,000	135,000
Africa	**74,757,520**	**58,886,200**	**106,402,000**	**67,303,750**	**68,299,450**	**65,085,220**	**60,570,200**	**59,200,150**	**57,892,125**	**57,072,100**
Eastern Hemisphere	**437,124,568**	**455,783,700**	**485,758,260**	**448,653,790**	**518,619,350**	**480,017,720**	**471,831,370**	**471,552,920**	**471,561,325**	**461,576,000**
Total Non-Communist	**513,047,148**	**533,843,710**	**564,890,420**	**525,018,050**	**602,847,310**	**555,167,850**	**538,582,490**	**547,409,320**	**546,611,585**	**551,899,790**
China	NA	NA	NA	NA	NA	NA	20,000,000	20,000,000	20,000,000	20,000,000
Cuba	14,000	10,000	9,000	0	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
U.S.S.R.	NA	NA	NA	NA	NA	NA	78,100,000	75,000,000	71,000,000	67,000,000
Yugoslavia	325,000	315,000	3,500,000	438,000	400,000	375,000	350,000	325,000	300,000	275,000
Other Communist	NA	NA	NA	NA	NA	NA	3,000,000	3,000,000	3,000,000	3,000,000
Total Communist	**100,339,000**	**98,825,000**	**101,509,000**	**103,438,000**	**111,800,000**	**103,375,000**	**101,450,000**	**98,325,000**	**94,300,000**	**90,275,000**
Total World	**613,386,148**	**632,668,710**	**666,399,420**	**628,456,050**	**714,647,310**	**658,542,850**	**640,032,490**	**645,734,320**	**640,911,585**	**642,174,790**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
United States	**29,805,000**	**29,426,000**	**27,858,000**	**27,735,000**	**28,446,000**	**28,416,000**	**26,889,000**	**27,256,000**	**26,500,000**	**25,860,000**
Canada	**6,400,000**	**7,300,000**	**7,020,000**	**6,730,000**	**7,075,000**	**6,500,000**	**6,850,000**	**6,825,000**	**6,785,514**	**6,133,495**
Argentina	2,457,000	2,650,000	2,590,000	2,428,700	2.266,000	2,300,000	2,270,000	2,270,000	2,268,000	2,279,900
Barbados	837	450	730	600	600	400	500	3,620	3,300	3,190
Bolivia	112,000	104,000	180,000	160,500	158,000	154,000	149,000	156,000	176,200	182,000
Brazil	1,300,000	1,325,060	1,750,000	1,800,000	1,976,000	2,070,000	2,250,000	2,340,000	2,550,000	2,816,000
Chile	400,000	790,000	760,000	748,000	736,000	726,000	290,000	290,000	287,000	300,000
Colombia	800,000	516,450	536,000	560,000	624,000	1,224,000	1,290,500	1,590,000	2,028,000	2,060,000
Ecuador	1,100,000	850,000	1,400,000	1,675,000	1,400,000	1,650,000	1,672,300	1,615,000	1,350,000	1,514,000
Guatemala	20,000	55,000	50,000	48,000	500,000	50,000	23,000	41,500	80,830	41,600
Honduras	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mexico	44,000,000	56,990,000	48,300,000	48,000,000	48,600,000	49,300,000	54,653,000	48,610,000	54,110,000	56,365,000
Peru	650,000	801,310	835,336	775,100	670,100	636,000	546,000	511,860	456,806	411,979
Suriname	NA	NA	NA	NA	NA	1,000	1,000	27,000	28,700	28,200
Trinidad & Tobago	700,000	600,000	580,000	630,000	540,000	540,000	610,000	567,000	528,000	521,000
Venezuela	17,950,000	20,300,000	21,500,000	24,850,000	25,845,000	25,591,000	25,000,000	56,300,000	58,083,900	58,504,000
Latin America	**69,489,837**	**84,982,270**	**78,482,066**	**81,675,900**	**83,315,700**	**84,242,400**	**88,755,300**	**114,321,980**	**121,950,736**	**125,026,869**
Western Hemisphere	**105,694,837**	**121,708,270**	**113,360,066**	**116,140,900**	**118,836,700**	**119,158,400**	**122,494,300**	**148,402,980**	**155,236,250**	**157,020,364**
Austria	130,000	134,000	128,200	122,000	118,500	110,000	76,300	105,000	100,000	65,997
Denmark	475,000	470,000	473,000	324,000	400,000	465,000	440,000	440,000	861,000	849,124
France	40,000	103,000	124,300	139,780	148,000	230,000	234,900	212,620	206,030	189,899
Germany, West	450,000	342,400	310,000	304,000	299,000	292,000	316,000	316,000	408,000	400,000
Greece	150,000	73,000	59,780	51,000	51,000	34,600	26,000	21,600	20,000	72,500
Italy	640,000	625,000	703,000	800,000	800,000	740,000	721,750	739,000	739,000	727,103
Netherlands	285,000	345,000	294,000	308,700	310,000	251,000	194,900	195,000	205,590	169,800
Norway	5,500,000	7,620,000	6,800,000	7,660,000	8,300,000	10,900,000	10,500,000	14,800,000	10,435,000	11,546,204
Spain	350,000	121,700	131,400	160,000	115,000	90,000	28,200	38,600	25,955	25,000
Turkey	110,000	280,000	280,000	370,000	294,000	300,000	400,000	380,000	381,000	520,850
United Kingdom	14,800,000	14,800,000	13,900,000	13,150,000	13,590,000	13,000,000	9,000,000	5,200,000	5,175,000	4,255,620
Western Europe	**22,930,000**	**24,914,100**	**23,203,680**	**23,389,480**	**24,425,500**	**26,412,600**	**21,938,050**	**22,447,820**	**18,556,575**	**18,822,097**
Afghanistan	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Australia	2,360,000	1,709,000	1,622,077	1,586,000	1,430,900	1,449,000	1,712,800	1,691,960	1,673,089	1,676,500
Bangladesh	NA	NA	NA	NA	NA	NA	NA	500	500	500
Brunei	1,710,000	1,630,000	1,240,000	1,390,000	1,400,000	1,480,000	1,420,900	1,420,000	1,400,000	1,375,000
Burma	30,000	28,000	32,000	30,000	28,000	65,500	58,000	58,000	54,000	51,300
India	2,580,000	2,672,000	3,416,400	3,485,000	3,500,000	3,736,000	4,202,800	4,250,000	6,354,200	7,516,400
Indonesia	9,500,000	9,800,000	9,550,000	9,100,000	8,650,000	8,500,000	8,300,000	8,400,000	8,250,000	8,200,000
Japan	52,000	70,000	60,000	58,000	56,000	62,000	57,000	56,790	54,500	60,818
Mayalsia	3,000,000	2,800,000	3,325,000	3,000,000	3,000,000	3,100,000	2,820,500	2,900,000	2,922,000	2,950,000
New Zealand	173,000	170,800	169,000	170,000	155,000	176,000	167,000	160,000	182,650	146,000
Pakistan	196,500	240,000	196,300	82,900	82,000	109,000	96,000	96,000	170,438	118,563
Papua, New Guinea	NA	NA	NA	NA	50,000	50,000	65,000	200,000	200,000	200,000
Philippines	20,000	23,000	35,600	16,300	16,300	16,300	16,900	16,000	15,800	15,000
Taiwan	9,000	8,000	6,700	6,200	5,700	5,500	5,400	5,400	5,000	4,600
Thailand	0	0	103,000	45,000	156,000	107,000	101,200	99,000	85,200	230,670
Asia-Pacific	**19,630,500**	**19,150,800**	**19,756,077**	**18,969,400**	**18,529,900**	**18,856,300**	**19,023,500**	**19,353,650**	**21,367,377**	**22,545,351**

Worldwide Crude Oil Reserves
By Country, Beginning of Year
Thousands of barrels

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Abu Dhabi	29,000,000	30,600,000	30,510,000	30,400,000	30,500,000	31,000,000	31,000,000	92,205,000	92,205,000	92,205,000
Bahrain	225,000	209,000	197,000	185,000	170,000	155,000	140,000	140,550	126,000	111,708
Dubai	1,400,000	1,270,000	1,440,000	1,440,000	1,440,000	1,400,000	1,350,000	4,000,000	4,000,000	4,000,000
Iran	57,500,000	57,000,000	55,308,000	51,000,000	48,500,000	47,876,000	48,800,000	92,850,000	92,850,000	92,860,000
Iraq	30,000,000	29,700,000	41,000,000	43,000,000	44,500,000	44,110,000	47,100,000	100,000,000	100,000,000	100,000,000
Israel	1,000	950	893	800	750	710	700	700	1,619	1,483
Jordan	NA	NA	NA	NA	NA	NA	NA	12000	5,000	5,000
Kuwait	64,900,000	64,480,000	64,230,000	63,900,000	90,000,000	89,774,000	91,916,000	91,920,000	91,920,000	94,525,000
Neutral Zone	6,060,000	6,500,000	5,840,000	5,695,000	5,420,000	5,380,000	5,212,100	5,210,000	5,210,000	5,200,000
North Yemen	NA	NA	NA	NA	NA	200,000	500,000	550,000	1,000,000	1,000,000
Oman	2,340,000	2,570,000	2,730,000	2,790,000	3,500,000	4,000,000	4,032,000	4,012,000	4,071,160	4,250,000
Qatar	3,585,000	3,434,000	3,425,000	3,330,000	3,350,000	3,300,000	3,154,000	3,150,000	3,150,000	4,500,000
Ra's al Khaymah	NA	NA	NA	100,000	100,000	100,000	200,000	400,000	400,000	400,000
Saudi Arabia	165,000,000	164,600,000	162,400,000	166,000,000	169,000,000	168,800,000	166,573,900	166,980,000	169,970,000	254,959,000
Sharjah	10,000	306,000	404,000	400,000	450,000	490,000	500,000	1,500,000	1,500,000	1,500,000
South Yemen	NA	NA	NA	NA	NA	NA	NA	NA	3,380,000	3,000,000
Syria	1,940,000	1,890,000	1,521,000	1,490,000	1,450,000	1,440,000	1,400,000	1,750,000	1,730,000	1,730,000
Middle East	**361,961,000**	**362,559,950**	**369,005,893**	**369,730,800**	**398,380,750**	**398,025,710**	**401,878,700**	**564,680,250**	**571,518,779**	**660,247,191**
Algeria	8,200,000	8,080,000	9,440,000	9,220,000	9,000,000	8,820,000	8,800,000	8,500,000	8,400,000	9,200,000
Angola-Cabinda	1,200,000	1,450,000	1,635,000	1,700,000	1,800,000	2,000,000	1,149,400	1,149,000	2,024,000	2,024,000
Benin	NA	NA	NA	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Cameroon	200,000	480,000	530,000	520,000	550,000	555,000	540,000	520,000	400,000	400,000
Congo	660,000	1,300,000	1,550,000	400,000	480,000	650,000	720,000	720,000	710,000	830,000
Egypt	2,900,000	2,930,000	3,325,000	3,450,000	3,200,000	3,850,000	3,600,000	4,300,000	4,300,000	4,500,000
Gabon	450,000	480,000	460,000	490,000	510,000	520,000	645,000	645,000	720,000	733,000
Ghana	6,300	2,310	5,400	3,800	3,800	3,800	2,350	1,000	1,000	1,000
Ivory Coast	50,000	314,000	110,500	108,000	108,000	125,000	125,000	120,000	120,000	100,000
Libya	23,000,000	22,600,000	21,500,000	21,270,000	21,100,000	21,300,000	21,300,000	21,000,000	22,000,000	22,800,000
Morocco	75	320	290	220	250	250	300	2,700	2,600	2,500
Nigeria	16,700,000	16,500,000	16,750,000	16,550,000	16,650,000	16,600,000	16,000,000	15,980,000	16,000,000	16,000,000
South Africa	NA	NA	116,500	115,000	114,500	NA	NA	NA	NA	NA
Senegal	NA	NA	NA	750,000	NA	NA	NA	NA	NA	NA
Sudan	NA	200,000	400,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Tunisia	1,652,000	1,690,000	1,860,000	1,820,000	1,514,000	1,800,000	1,800,000	1,800,000	1,790,000	1,750,000
Zaire	130,000	145,000	139,000	110,000	110,000	110,000	112,000	112,000	96,170	96,120
Africa	**55,148,375**	**56,171,630**	**57,821,690**	**56,907,020**	**55,540,550**	**56,734,050**	**55,194,050**	**55,249,700**	**56,963,770**	**58,836,620**
Eastern Hemisphere	**459,669,875**	**462,796,480**	**469,787,340**	**468,996,700**	**496,876,700**	**500,028,660**	**498,034,300**	**661,731,420**	**668,406,501**	**760,451,259**
Total Non-Communist	**565,364,712**	**584,504,750**	**583,147,406**	**585,137,600**	**615,713,400**	**619,187,060**	**620,528,600**	**810,134,400**	**823,642,751**	**917,471,623**
China	20,500,000	19,895,000	19,485,000	19,100,000	19,100,000	18,420,000	18,400,000	18,400,000	23,550,000	24,000,000
Cuba	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
U.S.S.R.	63,000,000	63,000,000	63,000,000	63,000,000	63,000,000	61,000,000	59,000,000	59,000,000	58,500,000	58,400,000
Yugoslavia	265,000	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
Other Communist	2,800,000	2,950,000	2,630,000	2,500,000	2,000,000	1,950,000	1,850,000	1,800,000	1,750,000	1,700,000
Total Communist	**86,565,000**	**85,845,000**	**85,115,000**	**84,600,000**	**84,100,000**	**81,370,000**	**79,250,000**	**79,200,000**	**83,800,000**	**84,100,000**
Total World	**651,929,712**	**670,349,750**	**668,262,406**	**669,737,600**	**699,813,400**	**700,557,060**	**699,778,600**	**889,334,400**	**907,442,751**	**1,001,571,623**

* Brunei includes Malaysia through 1975.
\+ Included in Other Communist.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1967	1968	1969	1970	1971	1972	1973	1974	1975
United States	**289,333**	**292,908**	**287,350**	**275,109**	**290,746**	**278,806**	**266,085**	**249,950**	**237,133**
Canada	**45,000**	**48,000**	**46,500**	**50,650**	**60,451**	**54,376**	**55,000**	**50,299**	**52,500**
Argentina	8,000	7,960	8,500	8,000	8,800	7,600	8,800	8,000	7,500
Bahamas	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barbados	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bolivia	5,000	4,050	5,000	100,000	5,000	5,000	5,000	10,000	11,000
Brazil	500	877	1,000	5,000	6,000	5,000	918	921	914
Chile	2,000	3,530	3,000	2,500	2,000	2,200	5,000	3,400	2,800
Colombia	3,500	4,030	3,500	3,000	2,800	2,500	2,400	2,500	4,000
Ecuador	50	65	150	150	5,000	6,000	500	5,000	5,000
Guatemala	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mexico	13,500	11,596	11,500	12,000	10,000	11,500	11,500	11,000	15,000
Peru	1,000	2,012	1,750	2,500	3,000	2,500	3,000	3,500	5,000
Trinidad & Tobago	1,000	1,211	1,000	5,000	3,500	5,000	7,500	5,000	6,000
Venezuela	30,000	31,770	27,500	25,000	27,000	25,400	34,600	42,000	43,000
Latin America	**64,550**	**67,101**	**62,900**	**163,150**	**73,100**	**72,700**	**79,218**	**91,321**	**100,214**
Western Hemisphere	**398,883**	**408,009**	**396,750**	**488,909**	**424,297**	**405,882**	**400,303**	**391,570**	**389,847**
Austria	960	965	800	1,000	431	550	500	589	953
Denmark	NA	NA	NA	NA	NA	500	1,800	1,800	500
France	7,000	8,500	8,500	10,600	7,200	6,900	6,800	6,500	5,800
Germany, West	7,800	8,500	10,200	12,100	11,900	14,000	12,700	12,308	11,473
Greece	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ireland	NA	NA	NA	NA	NA	NA	NA	NA	NA
Italy	4,422	5,500	6,500	6,300	5,000	6,000	6,100	5,300	12,000
Netherlands	57,500	82,000	82,176	82,300	83,000	83,000	88,000	92,000	94,800
Norway	NA	NA	NA	NA	3,000	10,000	15,000	23,000	24,700
Spain	NA	NA	NA	NA	NA	500	500	500	600
Switzerland	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turkey	NA	500	200	200	190	170	150	200	250
United Kingdom	10,000	25,000	30,000	35,000	36,000	40,000	45,000	50,000	50,000
Western Europe	**87,682**	**130,965**	**138,376**	**147,500**	**146,721**	**161,620**	**176,550**	**192,197**	**201,076**
Afghanistan	2,400	5,000	5,240	5,100	5,000	4,900	5,000	4,900	3,530
Australia	5,000	8,000	16,000	16,000	12,600	24,800	36,236	37,700	38,000
Bangladesh	NA	NA	NA	NA	NA	NA	8,000	8,000	10,000
Brunei	* 500	* 700	* 650	* 5,000	* 6,000	* 7,500	* 10,000	* 20,000	* 22,000
Burma	150	150	125	100	80	100	120	200	150
India	756	1,500	1,500	2,000	1,800	1,500	2,300	2,000	2,500
Indonesia	2,500	2,500	2,500	2,300	3,000	4,500	5,500	15,000	15,000
Japan	200	500	250	600	550	400	400	700	1,700
Malaysia	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA
New Zealand	444	450	500	500	6,500	6,000	17,000	15,000	5,000
Pakistan	20,300	20,300	25,000	35,000	20,000	19,500	16,000	10,120	16,000
Papua, New Guinea	NA	NA	NA	NA	NA	NA	NA	NA	NA
Philippines	NA	NA	NA	NA	NA	NA	180	180	0
Taiwan	200	950	959	900	800	600	500	400	1,000
Thailand	NA	NA	NA	NA	NA	NA	NA	NA	1,000
Asia-Pacific	**32,450**	**40,050**	**52,724**	**67,500**	**56,330**	**69,800**	**101,236**	**114,200**	**115,880**

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1967	1968	1969	1970	1971	1972	1973	1974	1975
Abu Dhabi	7,500	8,000	7,500	10,000	9,500	10,000	12,000	12,500	200,000
Bahrain	100	100	100	1,000	5,000	5,000	5,000	4,000	6,600
Dubai	NA	NA	500	500	750	1,000	1,000	1,000	1,500
Iran	109,500	109,500	100,000	100,000	214,000	200,000	200,000	270,000	330,000
Iraq	20,000	20,000	20,000	19,000	18,500	22,000	25,000	22,000	27,500
Israel	70	70	75	75	72	60	50	25	20
Jordan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kuwait	40,000	34,500	39,100	39,000	38,000	35,000	33,000	32,500	32,000
Neutral Zone	3,500	3,500	4,000	3,500	8,000	8,000	7,500	8,000	7,500
North Yemen	0	0	0	0	0	0	0	0	0
Oman	NA	1,500	1,500	1,500	2,000	2,000	1,750	2,000	2,100
Qatar	7,500	7,500	7,300	10,000	8,000	8,000	8,000	8,000	8,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	26,400	35,000	43,000	50,000	49,500	52,000	50,000	50,900	55,000
Sharjah	NA	NA	NA	NA	NA	NA	NA	1,500	1,500
Syria	500	500	500	500	750	700	700	700	700
Middle East	**215,070**	**220,170**	**223,575**	**235,075**	**354,072**	**343,780**	**344,000**	**413,125**	**672,420**
Algeria	140,000	140,000	135,000	150,000	141,000	106,500	105,000	105,945	229,000
Angola-Cabinda	100	150	625	625	1,000	1,500	1,000	1,500	1,400
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	NA
Congo	NA	NA	NA	NA	NA	NA	NA	1,000	1,000
Egypt	530	1,300	2,800	5,000	5,000	7,500	7,500	4,200	3,500
Ethiopia	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gabon	5,000	5,000	4,500	5,000	7,000	6,500	7,000	6,500	7,000
Ghana	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA
Libya	7,000	15,000	20,000	30,000	30,000	29,500	27,500	27,000	26,500
Madagascar	NA	NA	NA	NA	NA	NA	NA	NA	NA
Morocco	25	23	20	18	16	18	15	25	24
Mozambique	1,000	1,000	1,000	1,000	NA	NA	NA	NA	NA
Nigeria	4,000	4,000	3,900	5,000	6,000	40,000	40,000	40,000	45,000
Somalia	NA	NA	NA	NA	NA	NA	NA	NA	NA
South Africa	NA	NA	NA	500	500	NA	NA	NA	NA
Sudan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tanzania	NA	NA	NA	NA	NA	NA	0	0	0
Tunisia	500	750	500	1,000	1,000	1,500	1,000	1,500	1,500
Zaire	NA	NA	NA	NA	NA	NA	NA	50	50
Africa	**158,155**	**167,223**	**168,345**	**198,143**	**191,516**	**193,018**	**189,015**	**187,720**	**314,974**
Eastern Hemisphere	**493,357**	**558,408**	**583,020**	**648,218**	**748,639**	**768,198**	**810,801**	**907,242**	**1,304,350**
Total Non-Communist	**892,240**	**966,417**	**979,770**	**1,137,127**	**1,172,936**	**1,174,080**	**1,211,104**	**1,298,812**	**1,694,197**
China	NA	NA	NA	NA	NA	NA	NA	NA	NA
U.S.S.R.	NA	NA	NA	NA	NA	NA	NA	NA	NA
Yugoslavia	900	3,500	3,000	3,500	1,200	1,800	2,000	1,800	2,000
Other Communist	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Communist	**150,900**	**219,000**	**346,000**	**353,500**	**441,200**	**559,800**	**666,400**	**737,200**	**848,000**
Total World	**1,043,140**	**1,185,417**	**1,325,770**	**1,490,627**	**1,614,136**	**1,733,880**	**1,877,504**	**2,036,012**	**2,542,197**

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**228,200**	**216,026**	**208,878**	**200,302**	**194,917**	**199,021**	**201,730**	**201,512**	**200,247**
Canada	**53,400**	**56,000**	**58,000**	**59,000**	**85,500**	**87,300**	**89,900**	**97,000**	**90,500**
Argentina	7,200	6,800	8,120	12,000	15,200	22,000	23,400	25,200	24,420
Bahamas	NA	300	0	0	0	1	1	1	NA
Barbados	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bolivia	10,800	5,000	5,000	6,000	5,400	4,200	5,400	5,700	4,900
Brazil	927	900	1,200	1,500	1,500	1,500	1,848	2,330	2,669
Chile	2,300	2,000	2,000	2,500	2,500	2,500	2,620	2,515	2,400
Colombia	4,000	5,000	6,360	4,800	5,000	6,000	4,362	4,580	4,300
Ecuador	5,000	12,000	5,000	4,000	4,000	4,000	4,300	4,100	3,526
Guatemala	NA	NA	NA	NA	NA	10	40	35	33
Mexico	12,000	12,000	30,000	32,000	59,000	64,500	75,350	75,850	75,352
Peru	2,260	2,200	1,300	1,150	1,100	1,100	1,202	1,201	1,150
Trinidad & Tobago	4,000	3,425	8,500	8,000	8,000	1,200	10,800	11,000	13,100
Venezuela	42,000	40,700	41,000	41,000	42,800	42,000	47,000	54,079	54,546
Latin America	**90,487**	**90,325**	**108,480**	**112,950**	**144,500**	**149,011**	**176,323**	**186,591**	**186,396**
Western Hemisphere	**372,087**	**362,351**	**375,358**	**372,252**	**424,917**	**435,332**	**467,953**	**485,103**	**477,143**
Austria	775	705	490	420	406	365	345	337	530
Denmark	500	700	1,700	2,500	2,820	4,000	2,000	2,300	2,887
France	5,300	5,000	4,800	6,500	6,300	6,000	2,720	2,700	2,422
Germany, West	8,300	7,500	7,300	6,300	6,350	6,000	6,180	6,319	6,800
Greece	8,000	8,000	4,000	4,000	4,000	4,000	3,800	3,500	3,470
Ireland	1,000	1,000	1,000	1,000	1,000	950	860	NA	700
Italy	10,000	6,600	8,300	8,000	3,500	3,500	3,650	4,320	4,340
Netherlands	70,000	61,900	60,000	62,000	59,500	62,000	55,700	51,920	50,050
Norway	25,000	18,500	20,000	24,000	23,500	42,700	49,370	58,000	58,800
Spain	500	500	200	200	2,000	3,500	25	1,940	2,225
Switzerland	NA	NA	NA	NA	NA	NA	NA	NA	4
Turkey	538	540	540	500	500	490	550	545	1,010
United Kingdom	50,000	30,000	29,000	27,000	25,000	24,800	26,000	25,400	25,100
Western Europe	**179,913**	**140,945**	**137,330**	**142,420**	**134,876**	**158,305**	**151,200**	**157,281**	**158,338**
Afghanistan	3,500	2,750	2,600	NA	NA	NA	NA	NA	NA
Australia	32,500	32,300	32,000	31,000	31,000	30,000	18,700	17,768	17,682
Bangladesh	10,000	8,000	8,000	8,000	8,000	8,000	7,000	7,000	7,000
Brunei	8,700	8,400	8,250	8,000	7,700	7,300	7,100	6,800	7,050
Burma	160	150	150	150	135	180	170	190	180
India	2,400	3,500	3,500	3,500	9,300	12,000	12,430	14,508	14,826
Indonesia	15,000	24,000	24,000	24,000	24,000	23,500	27,400	29,600	30,200
Japan	1,900	2,100	525	500	600	500	800	720	900
Malaysia	15,000	15,000	17,000	17,000	17,000	15,000	19,000	34,000	48,000
New Zealand	5,000	6,190	6,000	6,000	6,000	6,100	6,020	5,545	5,533
Pakistan	16,400	15,820	15,500	16,000	15,800	15,100	16,400	18,540	15,800
Papua, New Guinea	NA	NA	NA	NA	NA	NA	NA	NA	NA
Philippines	0	0	0	0	0	10	16	16	14
Taiwan	1,000	800	700	700	650	600	580	560	550
Thailand	0	1,000	4,500	5,000	8,000	8,000	12,000	11,000	8,500
Asia-Pacific	**111,560**	**120,010**	**122,725**	**119,850**	**128,185**	**126,290**	**127,616**	**146,247**	**156,235**

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1976	1977	1978	1979	1980	1981	1982	1983	1984
Abu Dhabi	20,000	20,000	20,000	20,000	19,000	20,000	19,500	19,260	20,500
Bahrain	5,500	3,000	3,000	7,000	9,000	9,000	8,600	7,890	7,400
Dubai	1,500	1,500	1,500	1,600	1,500	775	750	4,320	4,320
Iran	329,500	330,000	500,000	500,000	490,000	485,000	484,000	482,600	480,000
Iraq	27,100	27,000	28,000	27,800	27,500	27,450	27,300	28,800	29,000
Israel	20	20	20	60	100	100	90	85	10
Jordan	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kuwait	31,800	31,700	31,500	31,300	31,000	30,800	30,500	29,900	31,000
Neutral Zone	7,500	5,000	5,000	5,000	5,000	4,800	8,300	8,380	8,307
North Yemen	0	0	0	0	0	0	0	0	0
Oman	2,000	2,000	2,000	2,000	2,000	2,500	2,700	2,690	2,810
Qatar	7,500	27,500	40,000	40,000	60,000	60,000	60,000	62,000	62,000
Ra's al Khaymah	NA	NA	NA	NA	NA	NA	NA	NA	400
Saudi Arabia	103,000	86,000	85,000	93,900	93,230	110,000	114,000	117,000	121,000
Sharjah	1,450	1,000	0	0	0	0	3,000	5,000	6,000
Syria	1,240	1,200	3,100	1,500	1,500	1,500	3,200	1,260	1,290
Middle East	**538,110**	**535,920**	**719,120**	**730,160**	**739,830**	**751,925**	**761,940**	**769,185**	**774,037**
Algeria	126,000	125,800	125,000	105,000	132,000	131,500	130,900	111,250	110,180
Angola-Cabinda	1,500	1,500	1,500	1,200	1,175	1,050	1,030	1,470	1,550
Cameroon	NA	NA	NA	NA	NA	NA	4,600	4,450	4,200
Congo	1,000	7	10	2,260	2,200	2,000	2,500	2,700	2,150
Egypt	4,000	2,800	3,200	3,000	3,000	2,970	2,960	7,180	7,100
Ethiopia	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gabon	2,500	2,500	2,450	2,400	500	500	490	485	500
Ghana	NA	NA	NA	NA	NA	NA	NA	NA	4
Ivory Coast	NA	NA	NA	NA	NA	NA	37	3,040	3,020
Libya	26,300	25,800	25,700	24,200	24,000	23,800	23,200	21,500	21,350
Madagascar	NA	NA	NA	NA	NA	NA	NA	NA	NA
Morocco	22	20	44	30	25	NA	NA	NA	NA
Mozambique	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nigeria	44,300	44,000	43,000	42,000	41,400	41,000	40,500	32,400	34,800
Somalia	NA	NA	NA	NA	NA	NA	NA	NA	NA
South Africa	NA	NA	NA	NA	NA	NA	NA	400	400
Sudan	NA	NA	100	100	NA	NA	NA	NA	NA
Tanzania	0	0	50	50	0	0	0	200	200
Tunisia	1,480	6,600	6,400	6,000	6,000	5,600	5,400	4,300	4,150
Zaire	50	50	50	50	50	50	50	48	40
Africa	**207,152**	**209,077**	**207,504**	**186,290**	**210,350**	**208,470**	**211,667**	**189,423**	**189,644**
Eastern Hemisphere	**1,036,735**	**1,005,952**	**1,186,679**	**1,178,720**	**1,213,241**	**1,244,990**	**1,252,423**	**1,262,136**	**1,278,254**
Total Non-Communist	**1,408,822**	**1,368,303**	**1,562,037**	**1,550,972**	**1,638,158**	**1,680,322**	**1,720,376**	**1,747,239**	**1,755,397**
China	NA	25,000	25,000	25,000	25,000	24,500	24,400	29,800	30,300
U.S.S.R.	NA	918,000	920,000	910,000	900,000	920,000	1,160,000	1,240,000	1,400,000
Yugoslavia	1,500	1,500	1,400	1,340	1,000	1,500	+ NA	+ NA	+ NA
Other Communist	NA	10,000	10,000	10,000	10,000	9,400	10,300	14,000	16,500
Total Communist	**836,500**	**954,500**	**956,400**	**946,340**	**936,000**	**955,400**	**1,194,700**	**1,283,800**	**1,446,800**
Total World	**2,245,322**	**2,322,803**	**2,518,437**	**2,497,312**	**2,574,158**	**2,635,722**	**2,915,076**	**3,031,039**	**3,202,197**

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

	1985	1986	1987	1988	1989	1990
United States	**197,463**	**193,369**	**191,586**	**187,211**	**187,200**	**165,000**
Canada	**92,300**	**99,700**	**99,600**	**98,000**	**95,100**	**94,300**
Argentina	24,628	23,588	23,000	23,600	26,700	27,299
Bahamas	NA	NA	NA	NA	NA	NA
Barbados	NA	NA	NA	10	7	7
Bolivia	4,270	4,700	4,840	5,040	5,354	5,475
Brazil	2,840	3,060	3,200	3,600	3,700	3,849
Chile	2,360	2,300	4,200	4,200	4,200	4,200
Colombia	3,786	4,130	4,000	3,600	3,943	4,020
Ecuador	3,000	4,090	4,050	4,020	4,020	3,990
Guatemala	30	30	30	20	20	10
Mexico	77,000	76,954	76,500	76,530	74,831	73,380
Peru	1,100	852	850	650	623	650
Trinidad & Tobago	10,550	10,500	10,400	10,390	10,500	9,968
Venezuela	55,367	59,067	59,000	95,000	102,243	100,846
Latin America	**184,931**	**189,271**	**190,070**	**226,660**	**236,141**	**233,694**
Western Hemisphere	**474,694**	**482,340**	**481,256**	**511,871**	**518,441**	**492,994**
Austria	530	520	420	420	420	400
Denmark	3,500	3,900	3,400	4,400	4,320	4,450
France	1,500	1,400	1,230	1,170	1,180	1,180
Germany, West	5,957	6,424	6,500	6,400	9,393	6,640
Greece	3,440	3,000	NA	20	140	210
Ireland	800	900	1,940	1,900	1,800	1,730
Italy	4,360	5,000	8,000	10,200	10,240	11,693
Netherlands	68,482	67,070	70,400	64,100	62,507	61,100
Norway	89,000	104,000	103,180	105,940	85,500	82,160
Spain	700	700	800	600	840	810
Switzerland	4	3	NA	NA	NA	NA
Turkey	600	490	460	1,030	1,037	705
United Kingdom	27,800	33,000	33,400	22,000	22,740	20,836
Western Europe	**206,673**	**226,407**	**229,730**	**218,180**	**200,117**	**191,914**
Afghanistan	NA	NA	NA	NA	NA	NA
Australia	17,850	18,220	18,680	18,610	16,633	16,467
Bangladesh	7,000	11,800	12,710	12,720	12,715	12,360
Brunei	7,300	7,400	7,060	7,010	11,600	11,370
Burma	170	160	9,460	9,460	9,460	9,430
India	15,000	16,880	17,550	17,550	22,861	22,973
Indonesia	40,000	35,600	49,440	73,000	83,590	87,015
Japan	720	1,100	1,090	1,030	1,410	1,116
Malaysia	50,000	52,700	49,440	52,200	51,700	51,900
New Zealand	5,438	5,515	5,690	5,200	5,150	5,120
Pakistan	15,760	15,400	18,700	22,400	17,722	18,000
Papua, New Guinea	500	500	500	1,000	3,030	4,520
Philippines	12	11	10	10	9	10
Taiwan	540	811	910	890	885	840
Thailand	5,900	5,400	7,400	3,720	3,885	6,910
Asia-Pacific	**166,190**	**171,497**	**198,640**	**224,800**	**240,650**	**248,031**

Worldwide Natural Gas Reserves
By Country
Estimated at January 1
Billions of cubic feet

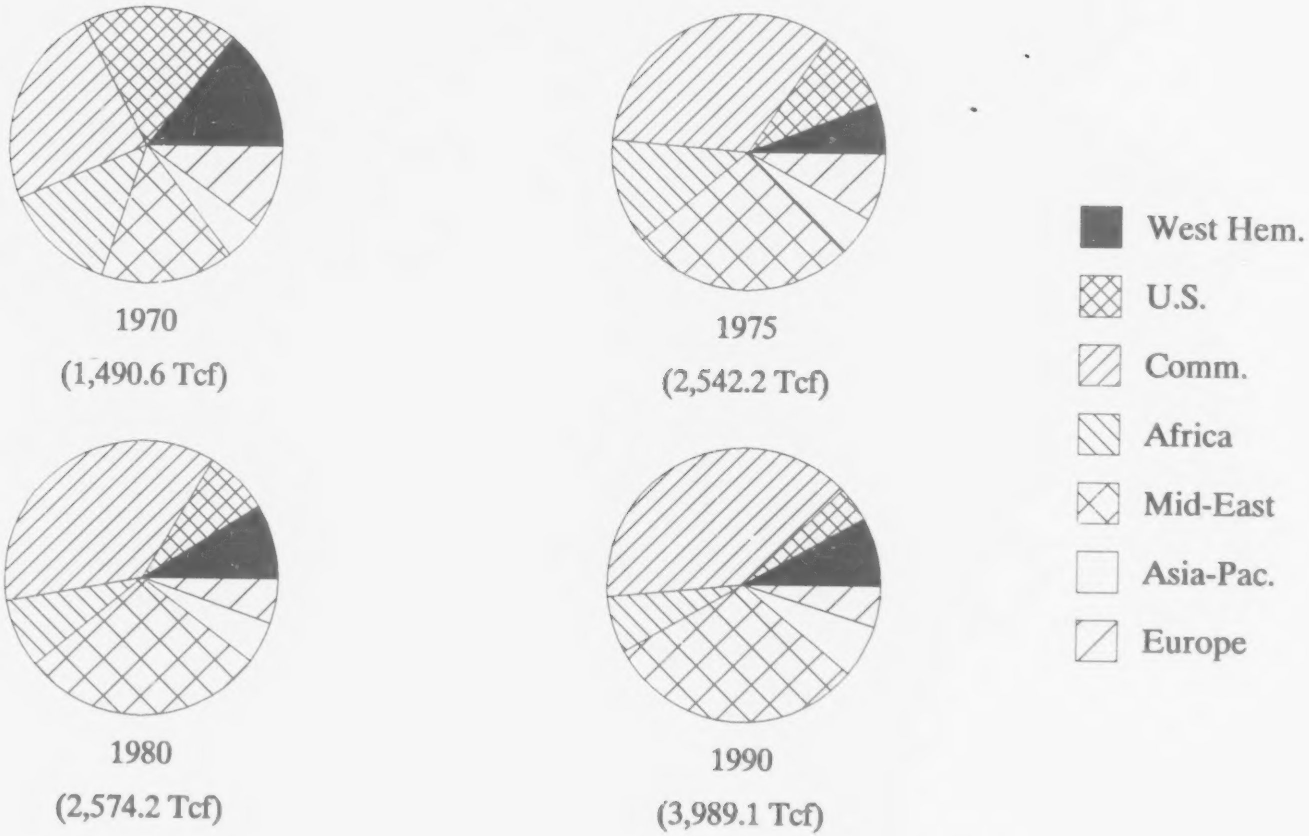
	1985	1986	1987	1988	1989	1990
Abu Dhabi	20,750	20,500	90,000	183,500	183,500	182,900
Bahrain	7,260	7,103	7,000	6,900	6,700	6,476
Dubai	4,320	4,400	4,400	6,000	5,015	4,900
Iran	478,600	470,000	450,000	489,400	494,400	500,000
Iraq	28,800	29,000	28,000	26,300	95,000	95,000
Israel	8	10	10	30	30	9
Jordan	NA	NA	NA	NA	980	58
Kuwait	32,500	32,500	35,000	36,400	42,500	48,600
Neutral Zone	8,290	8,210	12,400	12,300	12,300	12,000
North Yemen	0	0	600	1,600	3,700	9,260
Oman	7,377	6,000	7,500	9,500	9,320	163,100
Qatar	150,000	148,000	152,000	156,700	156,700	2,000
Ra's al Khaymah	400	400	1,200	2,000	2,000	181,347
Saudi Arabia	123,270	121,000	123,990	139,900	145,848	11,000
Sharjah	6,500	7,500	9,000	12,000	11,000	4,000
Syria	1,280	1,240	4,200	1,500	13,130	5,500
Middle East	**869,355**	**855,863**	**925,300**	**1,084,030**	**1,182,123**	**1,226,150**
Algeria	109,100	107,080	106,000	105,900	104,200	114,000
Angola-Cabinda	1,650	1,870	1,800	1,760	1,900	2,100
Cameroon	4,150	3,880	3,800	3,880	3,880	3,880
Congo	2,118	2,470	2,500	2,470	2,440	2,580
Egypt	7,000	7,060	8,900	10,240	11,470	11,720
Ethiopia	NA	NA	NA	NA	NA	800
Gabon	550	420	500	600	600	560
Ghana	4	4	NA	NA	NA	NA
Ivory Coast	3,000	2,118	3,400	3,530	3,530	3,530
Libya	21,200	21,390	21,180	25,700	25,700	25,500
Madagascar	NA	NA	NA	NA	NA	70
Morocco	NA	NA	130	70	100	100
Mozambique	NA	NA	NA	2,200	2,290	2,290
Nigeria	35,600	47,000	47,000	84,000	85,000	87,400
Somalia	NA	NA	NA	210	210	210
South Africa	350	NA	NA	980	1,760	1,760
Sudan	NA	NA	NA	NA	3,000	3,000
Tanzania	200	800	3,000	4,100	4,100	4,100
Tunisia	2,224	4,200	3,200	2,960	3,100	3,100
Zaire	30	30	30	30	30	30
Africa	**187,176**	**198,322**	**201,440**	**248,630**	**253,310**	**266,730**
Eastern Hemisphere	**1,429,394**	**1,452,089**	**1,555,110**	**1,775,640**	**1,876,200**	**1,932,825**
Total Non-Communist	**1,904,088**	**1,934,429**	**2,036,366**	**2,287,511**	**2,394,641**	**2,425,819**
China	30,900	30,000	30,000	30,700	31,700	35,300
U.S.S.R.	1,450,000	1,500,000	1,550,000	1,450,000	1,500,000	1,500,000
Yugoslavia	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
Other Communist	16,500	16,000	15,800	29,300	29,000	28,000
Total Communist	**1,497,400**	**1,546,000**	**1,595,800**	**1,510,000**	**1,560,700**	**1,563,300**
Total World	**3,401,488**	**3,480,429**	**3,632,166**	**3,797,511**	**3,955,341**	**3,989,119**

* Brunei includes Malaysia through 1975. + Yugoslavia included in Other Communist.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Natural Gas Reserves

January 1



Source: OGJ

Refining

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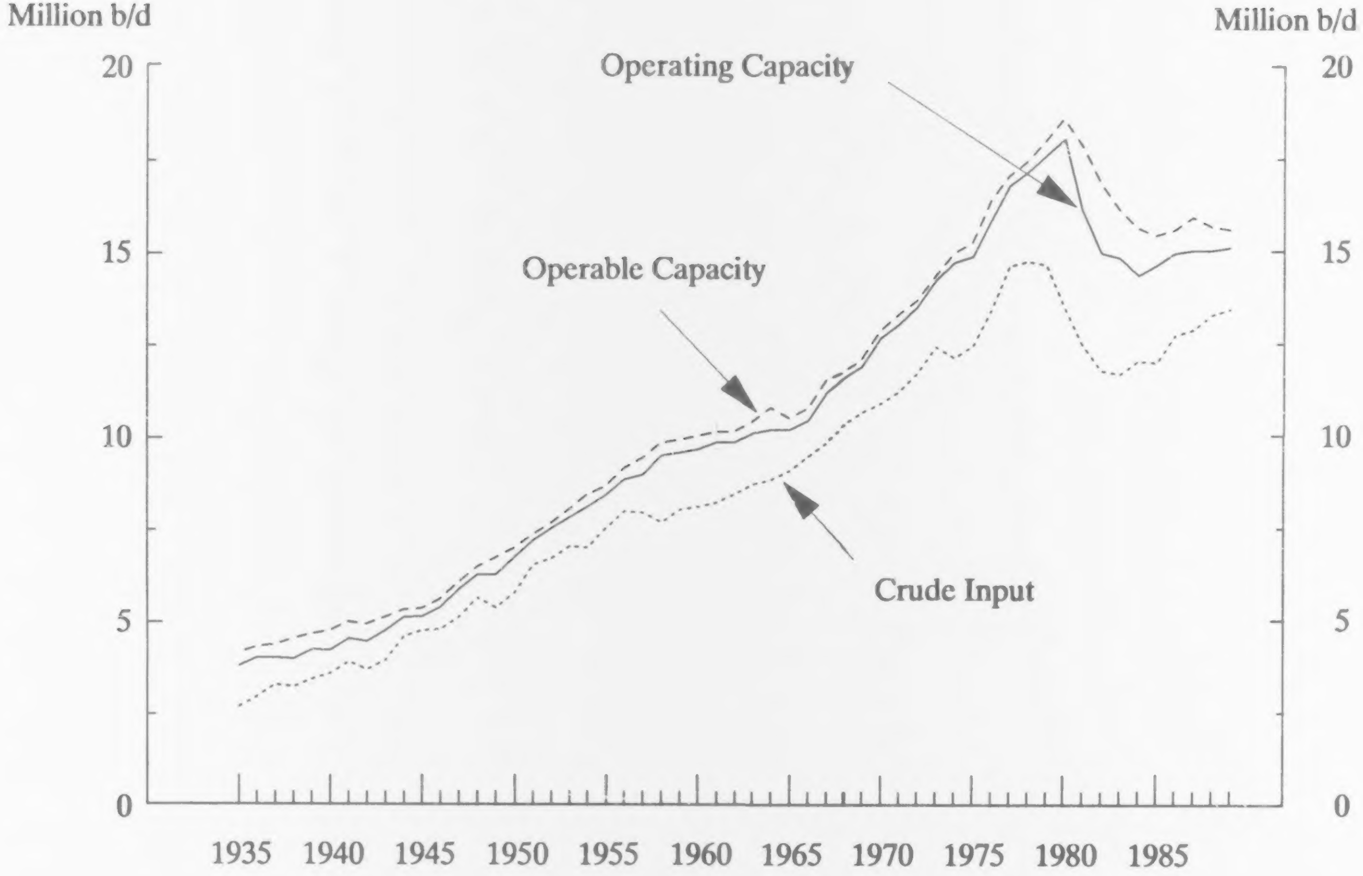
U.S. Refinery Capacity and Crude Input



Source: BOM, EIA

U.S. Refinery Capacity and Input
Thousands of barrels per day

	Operable Refinery Capacity Dec. 31	Operating Refinery Capacity Dec. 31	Crude Input to Refineries	Total Input to Refineries
1923	2,814.3	2,480.9	1,592.4	1,610.8
1924	3,853.8	2,511.8	1,758.8	1,799.1
1925	2,853.0	2,562.4	2,027.2	2,081.0
1926	3,061.0	2,834.3	2,135.0	2,210.8
1927	3,250.4	3,036.1	2,270.8	2,358.9
1928	3,509.5	3,325.9	2,495.3	2,591.6
1929	3,765.6	3,634.8	2,706.0	2,833.3
1930	3,942.7	3,706.6	2,541.0	2,659.2
1931	4,014.6	3,625.0	2,451.0	2,547.2
1932	3,889.5	3,445.1	2,240.4	2,312.4
1933	3,918.2	3,553.6	2,359.6	2,429.0
1934	4,058.5	3,614.7	2,453.8	2,531.0
1935	4,117.1	3,749.8	2,646.0	2,731.0
1936	4,294.9	3,966.6	2,919.6	3,012.0
1937	4,351.2	3,970.2	3,242.3	3,350.2
1938	4,508.6	3,933.8	3,191.8	3,301.3
1939	4,628.7	4,196.7	3,391.3	3,499.9
1940	4,719.0	4,180.6	3,536.0	3,644.0
1941	4,956.6	4,496.8	3,860.8	3,991.8
1942	4,902.0	4,409.0	3,655.1	3,810.1
1943	5,093.0	4,709.4	3,917.1	4,084.8
1944	5,301.2	5,077.7	4,551.0	4,734.7
1945	5,315.9	5,086.2	4,711.1	4,903.7
1946	5,569.5	5,336.4	4,740.3	4,912.5
1947	6,034.3	5,825.6	5,074.6	5,268.3
1948	6,439.0	6,230.5	5,596.6	5,804.8
1949	6,696.3	6,223.0	5,326.6	5,560.8
1950	6,963.6	6,701.8	5,739.4	5,998.6
1951	7,332.9	7,161.4	6,494.3	6,766.2
1952	7,638.7	7,481.7	6,670.1	6,954.0
1953	8,006.9	7,782.1	6,999.6	7,304.5
1954	8,420.6	8,069.2	6,957.7	7,279.8
1955	8,632.4	8,380.8	7,480.0	7,826.3
1956	9,123.7	8,808.8	7,937.4	8,306.5
1957	9,407.7	8,939.9	7,919.0	8,330.2
1958	9,819.9	9,450.7	7,642.2	8,018.3
1959	9,901.4	9,543.3	7,993.6	8,413.7
1960	10,010.1	9,629.7	8,067.0	8,522.8
1961	10,105.2	9,812.3	8,184.0	8,648.2
1962	10,118.3	9,814.8	8,409.9	8,910.9
1963	10,385.4	10,063.2	8,686.7	9,207.9
1964	10,774.6	10,161.3	8,806.9	9,389.7
1965	10,492.7	10,171.2	9,043.4	9,661.7
1966	10,759.6	10,412.4	9,444.4	10,089.9
1967	11,532.9	11,172.7	9,815.3	10,486.0
1968	11,739.5	11,575.8	10,312.5	11,030.3
1969	12,074.3	11,882.4	10,629.1	11,365.5
1970	12,860.2	12,658.3	10,869.9	11,753.9
1971	13,292.5	13,034.8	11,199.5	12,116.2
1972	13,671.4	13,482.9	11,696.3	12,691.1
1973	14,361.5	14,220.3	12,430.8	13,400.6
1974	14,960.7	14,696.8	12,133.5	13,017.9
1975	15,236.6	14,867.5	12,442.3	13,225.2
1976	16,398.4	15,861.7	13,416.0	14,200.1
1977	17,047.7	16,793.7	14,602.4	15,349.3
1978	17,440.9	17,147.9	14,739.0	15,470.1
1979	17,991.1	17,610.4	14,647.6	15,236.1
1980	18,620.5	18,051.3	13,481.3	14,024.7
1981	17,889.7	16,103.6	12,470.5	13,482.4
1982	16,859.3	14,960.6	11,773.6	12,860.5
1983	16,137.1	14,837.7	11,685.1	12,650.2
1984	15,658.8	14,360.6	12,044.2	13,125.6
1985	15,459.0	14,638.5	12,002.0	13,192.2
1986	15,565.5	14,940.5	12,715.9	13,906.2
1987	15,915.4	15,018.0	12,854.2	13,987.4
1988	15,654.9	15,011.8	13,246.4	14,367.2
1989	15,572.0	15,062.6	13,401.0	14,513.1

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Refinery Operable Capacity

Total U.S.

Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	17,830	18,196	18,215	18,213	18,249	18,254	18,281	18,305	18,478	18,413	18,424	18,477	**18,277.9**
1981	18,621	18,657	18,656	18,684	18,697	18,695	18,656	18,685	18,636	18,442	18,449	18,364	**18,603.5**
1982	17,890	17,844	17,800	17,767	17,778	17,261	17,203	17,171	17,001	17,221	17,193	17,076	**17,433.8**
1983	16,859	16,875	16,855	16,855	16,856	16,838	16,842	16,742	16,296	16,320	16,349	16,342	**16,669.1**
1984	16,137	16,144	16,114	16,123	16,069	16,069	16,085	16,040	15,994	16,005	15,875	15,745	**16,033.3**
1985	15,659	15,559	15,582	15,640	15,658	15,669	15,670	15,734	15,728	15,733	15,730	15,687	**15,670.8**
1986	15,459	15,485	15,485	15,473	15,484	15,465	15,475	15,430	15,435	15,435	15,440	15,440	**15,458.8**
1987	15,566	15,548	15,559	15,565	15,565	15,588	15,701	15,598	15,593	15,592	15,888	15,946	**15,642.4**
1988	15,915	15,942	15,888	15,888	15,909	15,934	15,958	15,958	15,965	15,946	15,909	15,919	**15,927.6**
1989	15,655	15,671	15,669	15,687	15,692	15,698	15,698	15,706	15,722	15,722	15,732	15,761	**15,701.1**

Refinery Capacity Utilization

Total U.S.

Percentage Utilized

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	82.1	79.9	76.8	75.7	74.8	77.0	74.5	72.7	73.6	70.6	73.0	75.5	**75.5**
1981	72.5	70.8	67.7	65.7	67.2	68.1	67.4	70.6	68.4	67.0	68.2	69.2	**68.6**
1982	67.0	65.1	65.5	66.2	68.8	74.9	74.9	71.0	73.9	70.6	70.6	69.7	**69.9**
1983	68.0	65.1	66.0	69.6	71.6	74.9	74.9	73.8	78.1	73.4	74.8	69.9	**71.7**
1984	72.9	76.0	74.9	74.9	77.4	77.3	75.7	78.2	78.0	75.9	77.2	76.0	**76.2**
1985	74.0	73.8	73.7	76.5	78.4	79.3	80.8	77.7	76.9	78.6	80.3	81.2	**77.6**
1986	81.4	77.9	75.9	81.5	86.0	86.3	84.1	86.8	85.5	82.6	83.7	83.6	**82.9**
1987	81.8	79.9	78.6	81.2	82.5	85.4	86.7	86.7	85.5	82.7	82.3	83.9	**83.1**
1988	82.8	80.9	83.3	84.0	85.7	86.0	86.5	87.4	83.7	83.4	83.9	85.1	**84.4**
1989	86.2	82.8	83.8	83.7	86.5	89.6	88.9	89.3	88.4	86.1	86.1	84.0	**86.3**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Crude Oil Input to Refineries
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	12,190.4	12,187.3	12,200.7	12,208.0	12,280.7	12,862.3	12,749.5	12,635.5	12,559.6	12,757.8	12,374.1	12,149.6	**12,429.6**
1974	11,490.5	11,102.3	11,355.1	11,823.0	12,333.3	12,697.1	12,811.0	12,644.5	12,123.7	12,285.6	12,331.6	12,518.8	**12,126.4**
1975	12,296.5	12,134.9	11,905.0	11,803.5	11,983.3	12,416.7	12,915.4	13,046.2	12,944.8	12,365.5	12,689.3	12,779.1	**12,440.0**
1976	12,560.4	12,833.6	12,877.2	12,727.0	12,919.9	13,799.2	13,900.9	13,888.0	13,716.2	13,319.2	14,101.3	14,333.0	**13,414.7**
1977	14,129.8	14,734.1	14,263.3	14,176.9	14,592.7	14,864.6	14,881.7	14,642.3	14,923.8	14,654.3	14,636.0	14,748.5	**14,604.0**
1978	14,149.7	13,969.0	14,148.3	13,885.7	14,995.8	14,692.9	14,910.6	15,196.4	15,084.9	15,004.5	15,336.2	15,421.4	**14,733.0**
1979	14,839.7	14,314.3	14,260.1	14,570.9	14,449.9	14,805.9	15,098.5	14,966.8	14,593.9	14,422.8	14,537.3	14,876.5	**14,644.7**
1980	14,301.1	14,187.4	13,709.3	13,484.1	13,326.0	13,704.5	13,264.4	12,984.1	13,312.8	12,771.9	13,118.5	13,647.6	**13,484.3**
1981	13,247.5	12,902.5	12,383.0	12,090.5	12,309.1	12,414.6	12,260.7	12,908.2	12,505.1	12,057.2	12,240.0	12,348.8	**12,472.3**
1982	11,598.7	11,236.3	11,275.9	11,392.2	11,805.5	12,493.8	12,446.0	11,871.2	12,145.8	11,749.1	11,723.5	11,514.2	**11,771.0**
1983	11,143.3	10,632.9	10,859.2	11,433.3	11,800.1	12,284.3	12,359.7	12,152.3	12,481.5	11,781.7	12,004.4	11,234.1	**11,680.6**
1984	11,586.9	12,157.2	11,926.5	11,890.9	12,246.7	12,255.0	12,028.5	12,345.8	12,271.2	11,977.5	12,108.0	11,754.9	**12,045.8**
1985	11,444.7	11,366.8	11,371.6	11,804.5	12,093.5	12,292.0	12,445.1	12,045.5	11,924.5	12,208.5	12,409.8	12,569.9	**11,998.0**
1986	12,373.5	11,917.8	11,651.9	12,512.4	13,278.8	13,261.2	12,917.0	13,286.8	13,096.9	12,635.9	12,830.8	12,777.3	**12,711.7**
1987	12,569.5	12,289.8	12,080.5	12,512.1	12,652.5	13,201.6	13,430.1	13,379.9	13,168.4	12,732.6	12,981.2	13,211.9	**12,850.8**
1988	12,919.5	12,643.8	13,016.3	13,135.1	13,424.7	13,486.6	13,616.8	13,752.4	13,261.0	13,125.7	13,156.5	13,381.0	**13,243.3**
1989	13,329.6	12,764.5	12,962.7	12,955.9	13,404.6	13,905.1	13,847.8	13,860.7	13,790.6	13,360.2	13,419.5	13,164.6	**13,397.2**

Crude Oil Input to Refineries
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	377,903	341,244	378,221	366,239	380,702	385,869	395,236	391,699	376,789	395,491	371,224	376,637	**4,537,254**
1974	356,206	310,863	352,008	354,689	382,331	380,912	397,142	391,978	363,711	380,854	369,948	388,084	**4,428,726**
1975	381,193	339,777	369,056	354,104	371,481	372,502	400,376	404,433	388,344	383,329	380,679	396,152	**4,541,426**
1976	389,373	372,174	399,192	381,810	400,516	413,975	430,928	430,529	411,486	412,896	423,039	444,322	**4,910,240**
1977	438,023	412,555	442,162	425,308	452,374	445,937	461,333	453,912	447,713	454,283	439,081	457,202	**5,329,883**
1978	438,640	391,133	438,598	416,572	464,871	440,786	462,228	471,087	452,548	465,141	460,086	478,063	**5,379,753**
1979	460,031	400,800	442,064	437,126	447,948	444,178	468,053	463,971	437,817	447,107	436,120	461,173	**5,346,388**
1980	443,333	411,436	424,987	404,524	413,107	411,136	411,197	402,507	399,383	395,929	393,555	423,075	**4,934,169**
1981	410,672	361,270	383,872	362,716	381,583	372,437	380,083	400,155	375,153	373,772	367,200	382,812	**4,551,725**
1982	359,560	314,616	349,553	341,765	365,972	374,814	385,825	368,008	364,374	364,221	351,706	356,941	**4,297,355**
1983	345,442	297,722	336,634	343,000	365,803	368,529	383,152	376,722	374,445	365,232	360,131	348,256	**4,265,068**
1984	359,193	352,560	369,720	356,726	379,649	367,649	372,882	382,721	368,136	371,304	363,240	364,403	**4,408,183**
1985	354,785	318,271	352,520	354,136	374,900	368,760	385,799	373,409	357,735	378,464	372,294	389,668	**4,380,741**
1986	383,580	333,697	361,208	375,371	411,643	397,836	400,428	411,891	392,907	391,713	384,925	396,097	**4,641,296**
1987	389,656	344,113	374,496	375,364	392,228	396,048	416,334	414,778	395,051	394,712	389,435	409,568	**4,691,783**
1988	400,505	366,671	403,504	394,053	416,167	404,599	422,120	426,325	397,830	406,896	394,694	414,811	**4,848,175**
1989	413,219	357,406	401,845	388,676	415,544	417,153	429,283	429,683	413,718	414,165	402,585	408,104	**4,891,381**

Data from Oil & Gas Journal Energy Database
Source: Bureau of Mines, Energy Information Administration

Total Input to Refineries
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	13,388.5	13,151.6	12,833.4	12,879.9	13,160.2	13,861.5	13,816.6	13,778.8	13,476.9	13,718.1	13,404.3	13,314.0	**13,398.6**
1974	12,474.7	12,137.0	11,882.5	12,680.1	13,027.5	13,510.4	13,761.1	13,670.2	13,066.3	13,162.2	13,254.3	13,518.3	**13,012.0**
1975	13,388.5	12,886.0	12,569.6	12,410.8	12,454.0	14,266.0	13,743.3	13,743.3	13,649.4	13,209.1	13,440.2	13,700.5	**13,288.4**
1976	13,381.6	13,740.4	13,473.9	13,482.7	13,703.8	14,549.5	14,626.8	14,797.7	14,421.7	14,078.5	14,830.6	15,299.9	**14,198.9**
1977	15,130.6	15,631.0	14,906.3	14,862.3	15,106.4	15,492.4	15,645.5	15,521.9	15,543.0	15,389.1	15,480.2	15,510.1	**15,351.6**
1978	14,994.9	14,577.2	14,768.4	14,551.8	15,592.7	15,479.6	15,582.8	16,015.9	15,923.3	15,510.5	16,201.7	16,364.6	**15,463.6**
1979	15,564.4	15,029.5	14,926.8	14,965.6	15,087.7	15,304.4	15,522.3	15,500.6	15,083.6	15,033.7	15,148.6	15,631.3	**15,233.2**
1980	15,183.3	14,819.3	14,069.5	13,741.7	13,642.8	14,124.5	13,829.0	13,537.5	13,774.7	13,382.5	13,896.7	14,328.5	**14,027.5**
1981	14,450.0	13,744.2	13,281.7	13,054.6	13,123.5	13,307.4	13,266.5	13,818.5	13,675.6	13,086.5	13,407.0	13,582.5	**13,483.2**
1982	12,613.1	12,226.2	12,289.8	12,445.2	12,864.1	13,568.0	13,554.5	12,868.3	13,169.0	12,969.8	12,923.6	12,794.5	**12,857.2**
1983	12,044.2	11,550.1	11,628.4	12,223.5	12,712.0	13,204.9	13,312.1	13,049.2	13,505.6	12,760.5	13,278.1	12,479.3	**12,645.7**
1984	12,496.7	13,235.3	12,741.6	12,767.2	13,254.6	13,724.1	13,281.9	13,224.6	13,253.3	13,008.8	13,428.4	13,119.2	**13,128.0**
1985	12,323.1	12,393.9	12,301.0	12,902.1	13,324.2	13,537.1	13,669.7	13,650.1	13,068.3	13,410.0	13,702.5	13,962.0	**13,187.0**
1986	13,704.5	12,990.6	12,756.3	13,528.3	14,356.1	14,342.8	14,180.6	14,591.7	14,231.3	13,633.9	14,188.1	14,302.8	**13,900.6**
1987	13,647.6	12,982.4	13,119.6	13,658.5	13,835.3	14,352.2	14,509.3	14,324.9	14,337.2	13,997.8	14,311.9	14,697.5	**13,981.2**
1988	14,114.3	13,763.3	13,995.2	14,262.8	14,203.5	14,519.3	14,695.7	14,811.2	14,384.8	14,205.9	14,419.7	14,995.1	**14,364.2**
1989	14,457.8	13,817.9	13,897.0	14,005.9	14,318.3	14,997.6	15,049.6	14,998.9	14,830.3	14,462.0	14,765.2	14,507.2	**14,509.0**

Total Input to Refineries
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	415,042	368,244	397,834	386,396	407,967	415,845	428,315	427,144	404,308	425,262	402,129	412,734	**4,891,220**
1974	386,715	339,836	368,358	380,404	403,853	405,312	426,595	423,775	391,990	408,027	397,628	419,067	**4,751,560**
1975	415,045	360,809	389,659	372,324	386,073	427,981	426,043	426,043	409,481	409,481	403,206	424,715	**4,850,860**
1976	414,831	398,473	417,690	404,482	424,818	436,485	453,432	458,729	432,650	436,435	444,917	474,297	**5,197,239**
1977	469,048	437,668	462,096	445,868	468,298	464,771	485,009	481,179	466,289	477,061	464,407	480,813	**5,602,507**
1978	464,841	408,162	457,820	436,555	483,373	464,387	483,067	496,494	477,700	480,824	486,051	507,303	**5,646,577**
1979	482,497	420,827	462,730	448,968	467,719	459,131	481,190	480,518	452,507	466,046	454,458	484,570	**5,561,161**
1980	470,682	429,761	436,155	412,251	422,926	423,736	428,699	419,662	413,240	414,856	416,901	444,182	**5,133,0[illegible]1**
1981	447,951	384,838	411,733	391,639	406,829	399,221	411,263	428,375	41[illegible],268	405,682	402,209	421,056	**4,921,064**
1982	391,007	342,334	380,984	373,355	398,786	407,039	420,190	398,917	395,070	402,065	387,708	396,630	**4,694,085**
1983	373,369	323,402	360,480	366,706	394,072	396,147	412,676	404,525	405,168	395,574	398,342	386,859	**4,617,320**
1984	387,398	383,825	394,990	383,015	410,894	411,723	411,739	409,964	397,599	403,274	402,852	406,695	**4,803,968**
1985	382,015	347,028	381,331	387,062	413,050	406,112	423,761	423,152	392,050	415,710	411,075	432,823	**4,815,169**
1986	424,841	363,738	395,445	405,849	445,039	430,284	439,599	452,342	426,939	422,651	425,643	443,386	**5,075,756**
1987	423,077	363,507	406,709	409,755	428,893	430,566	449,789	444,072	430,115	433,931	429,356	455,622	**5,105,392**
1988	437,543	399,137	433,850	427,883	440,310	435,580	455,568	459,148	431,543	440,384	432,592	464,848	**5,258,386**
1989	448,191	386,900	430,808	420,178	443,867	449,927	466,538	464,966	444,910	448,323	442,955	449,724	**5,297,287**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Refinery Processing Gain
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	457.7	409.9	401.7	373.5	533.4	493.9	470.8	470.3	458.4	503.1	430.2	431.7	452.9
1974	479.1	432.5	417.8	478.1	414.3	511.6	517.1	537.3	496.7	538.8	483.9	451.5	479.9
1975	518.8	438.3	420.7	381.1	411.9	432.3	431.1	445.5	528.0	513.1	494.6	498.4	459.5
1976	474.0	488.6	494.5	455.8	547.6	479.1	491.9	412.5	502.7	416.5	465.4	498.9	477.3
1977	537.5	513.9	514.6	478.1	435.6	467.3	553.7	580.7	506.2	551.6	575.0	575.4	524.1
1978	485.3	167.0	517.0	477.6	450.3	471.6	389.2	489.4	534.5	555.0	560.4	558.5	496.3
1979	441.9	462.1	430.7	430.6	517.8	589.5	538.3	585.2	584.0	519.0	598.8	625.5	527.0
1980	613.1	544.8	452.9	457.2	494.7	478.6	466.8	486.8	454.0	496.4	565.4	565.2	506.3
1981	497.7	543.7	508.9	490.5	522.5	485.6	539.9	535.5	516.6	533.0	576.3	616.7	530.6
1982	477.1	481.4	443.0	432.7	514.8	500.8	437.7	599.8	628.4	633.3	577.1	547.9	522.9
1983	484.6	490.3	450.6	449.1	523.7	503.9	467.6	488.6	504.5	519.4	543.4	429.4	487.9
1984	473.0	553.1	546.2	578.7	588.9	552.2	544.0	532.5	572.9	543.9	571.9	585.9	553.6
1985	526.6	508.3	494.4	527.9	515.4	600.8	601.8	613.4	545.9	571.5	561.9	616.1	557.0
1986	633.7	671.5	558.2	548.2	647.2	599.3	599.6	658.5	710.5	586.2	577.8	608.6	616.6
1987	691.1	637.8	593.8	642.2	671.6	597.6	617.6	618.9	676.5	623.3	618.5	679.3	639.0
1988	677.7	665.0	643.3	627.9	662.1	651.6	638.0	690.4	598.3	650.9	641.7	711.5	654.9
1989	744.4	660.8	631.9	671.6	651.8	673.8	713.5	626.8	664.0	629.8	636.7	631.8	661.4

Refinery Processing Gain
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	14,188	11,476	12,452	11,205	16,536	14,817	14,596	14,579	13,752	15,596	12,907	13,384	165,488
1974	14,853	12,109	12,952	14,344	12,843	15,349	16,030	16,656	14,901	16,703	14,517	13,998	175,255
1975	16,084	12,272	13,043	11,434	12,768	12,970	13,365	13,812	15,841	15,905	14,839	15,449	167,782
1976	14,694	14,168	15,331	13,674	16,977	14,373	15,250	12,788	15,081	12,911	13,961	15,467	174,675
1977	16,663	14,390	15,954	14,343	13,503	14,020	17,165	18,002	15,187	17,100	17,251	17,837	191,415
1978	15,044	13,076	16,027	14,328	13,959	14,148	12,064	15,170	16,036	17,206	16,811	17,314	181,183
1979	13,700	12,938	13,352	12,917	16,051	17,686	16,686	18,141	17,520	16,090	17,965	19,391	192,437
1980	19,006	15,799	14,041	13,715	15,336	14,358	14,471	15,091	13,620	15,389	16,962	17,522	185,310
1981	15,428	15,223	15,775	14,715	16,198	14,567	16,736	16,601	15,499	16,524	17,288	19,118	193,672
1982	14,791	13,480	13,734	12,982	15,959	15,025	13,570	18,594	18,853	19,633	17,314	16,985	190,920
1983	15,024	13,727	13,970	13,472	16,235	15,116	14,495	15,146	15,135	16,102	16,301	13,310	178,033
1984	14,663	16,040	16,931	17,362	18,256	16,567	16,863	16,508	17,188	16,860	17,157	18,164	202,559
1985	16,325	14,232	15,327	15,836	15,976	18,025	18,656	19,015	16,377	17,718	16,857	19,099	203,443
1986	19,646	18,801	17,304	16,447	20,062	17,980	18,587	20,414	21,314	18,173	17,335	18,867	224,930
1987	21,424	17,858	18,409	19,266	20,820	17,927	19,146	19,186	20,295	19,323	18,554	21,057	233,265
1988	21,008	19,286	19,942	18,836	20,525	19,548	19,777	21,402	17,949	20,179	19,252	22,056	239,760
1989	23,075	18,502	19,588	20,147	20,205	20,214	22,118	19,432	19,920	19,525	19,102	19,587	241,415

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Average Percentage Product Yields From U.S. Refineries Percent

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Asphalt & Road Oil	4.0	3.7	3.7	3.7	3.9	4.0	3.8	3.8	3.9	3.3	2.8	3.0
Distillate	22.5	2[illegible].2	22.1	21.7	22.4	22.0	22.2	22.5	21.8	21.3	21.8	22.4
Jet Fuel	6.2	7.5	8.3	8.2	7.5	7.4	7.2	6.8	6.8	7.0	6.8	6.6
Kerosine	2.9	2.7	2.7	2.6	2.3	2.1	1.8	1.7	1.3	1.2	1.1	1.2
LPG & Ethane	3.0	3.1	3.1	3.1	3.2	3.1	3.0	3.0	2.7	2.5	2.5	2.4
Lubricants	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.6	1.2	1.3	1.2
Motor Gasoline	44.4	44.0	43.9	44.8	45.3	46.2	46.2	45.6	45.9	46.5	45.5	43.4
Petrochemical Feedstocks	2.1	2.4	2.5	2.5	2.5	2.7	2.9	2.9	3.0	2.7	3.3	3.6
Petroleum Coke	2.5	2.5	2.5	2.6	2.7	2.6	2.8	2.9	2.8	2.8	2.6	2.5
Residual	7.6	7.7	7.2	6.8	6.4	6.6	6.8	7.7	8.7	9.9	10.3	12.0
Special Naphthas	0.9	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.8	0.6	0.7	0.6
Still Gas	3.9	3.9	4.0	4.1	4.1	3.8	3.9	3.9	3.9	3.9	3.7	3.6
Wax	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1
Miscellaneous Products	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.7	1.0	1.0
Processing Gain (-) or Loss (+)	-2.5	-2.9	-3.0	-3.1	-3.2	-3.4	-3.3	-3.6	-3.9	-3.7	-3.5	-3.6
Total Yield	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Asphalt & Road Oil	3.3	3.1	3.0	2.7	2.7	3.1	3.1	3.2	3.1	3.3	3.2	3.1
Distillate	21.4	21.5	19.7	20.5	21.5	20.5	21.5	21.6	21.2	20.5	20.8	20.8
Jet Fuel	6.6	6.9	7.4	7.6	8.1	8.7	9.3	9.8	10.0	10.2	10.2	10.3
Kerosine	1.0	1.3	1.0	0.9	0.9	0.9	0.9	0.8	0.7	0.6	0.6	0.5
LPG & Ethane	2.4	2.4	2.4	2.5	2.2	2.7	2.9	3.1	3.2	3.4	3.6	4.0
Lubricants	1.3	1.3	1.3	1.3	1.2	1.2	1.3	1.2	1.2	1.3	1.2	1.2
Motor Gasoline	44.1	43.0	44.5	44.8	46.2	47.4	46.5	45.6	45.7	46.4	46.0	45.7
Petrochemical Feedstocks	4.1	4.7	5.1	4.7	3.4	3.3	2.8	2.8	3.1	2.9	2.4	2.5
Petroleum Coke	2.5	2.6	2.7	3.1	3.4	3.5	3.5	3.7	3.8	3.8	4.0	3.9
Residual	11.3	11.5	11.7	10.4	8.8	7.1	7.1	7.1	6.7	6.6	6.7	6.9
Special Naphthas	0.7	0.6	0.7	0.6	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4
Still Gas	3.7	3.8	4.0	4.3	4.6	4.6	4.5	4.7	4.9	4.8	4.9	4.9
Wax	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Miscellaneous Products	0.9	0.8	0.8	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Processing Gain (-) or Loss (+)	-3.4	-3.6	-4.4	-4.2	-4.2	-4.1	-4.4	-4.5	[illegible].7	-4.8	-4.8	-4.8
Total Yield	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.1	99.9	100.0	99.8	100.0

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Refinery Output (Production)
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	13,842.9	13,561.4	13,235.0	13,253.3	13,693.6	14,355.4	14,287.5	14,249.1	13,935.3	14,221.2	13,834.5	13,745.7	**13,851.3**
1974	12,953.8	12,569.5	12,300.3	13,158.3	13,441.8	13,688.4	14,278.2	14,207.5	13,563.0	13,701.0	13,738.2	13,969.8	**13,464.1**
1975	13,907.4	13,324.3	12,990.4	12,791.9	12,865.8	13,669.3	14,237.0	14,188.9	14,352.8	13,722.1	13,601.5	14,198.8	**13,654.2**
1976	13,855.6	14,227.6	13,968.4	13,938.5	14,251.5	15,028.6	15,118.8	15,210.2	14,924.4	14,495.0	15,295.9	15,798.8	**14,676.1**
1977	15,668.1	16,144.9	15,421.0	15,340.4	15,542.0	15,959.7	16,199.2	16,102.6	16,049.2	15,940.7	16,055.3	16,085.5	**15,875.7**
1978	15,480.2	15,044.2	15,285.4	15,029.4	16,043.0	15,951.2	15,972.0	16,417.5	16,457.9	16,065.5	16,762.1	16,923.2	**15,952.6**
1979	16,006.4	15,491.6	15,357.5	15,396.2	15,605.5	15,893.9	16,060.5	16,085.8	15,667.6	15,552.8	15,747.4	16,256.8	**15,760.2**
1980	15,783.1	15,469.4	14,702.8	14,318.8	14,187.5	14,724.6	14,426.5	14,057.2	14,446.2	13,907.9	14,518.8	14,957.5	**14,625.0**
1981	15,063.1	14,308.5	13,734.6	13,511.8	13,618.2	13,786.0	13,733.4	14,305.4	14,129.6	13,582.9	13,972.4	14,147.7	**13,991.1**
1982	13,110.8	12,769.9	12,798.7	12,935.7	13,386.6	14,053.5	14,094.4	13,403.8	13,685.6	13,502.9	13,499.9	13,411.2	**13,387.7**
1983	12,528.8	12,040.3	12,079.0	12,672.6	13,235.7	13,708.8	13,779.7	13,537.8	14,010.1	13,279.9	13,821.4	12,908.7	**13,133.6**
1984	12,969.7	13,788.4	13,287.8	13,345.9	13,843.5	14,276.3	13,825.9	13,757.2	13,826.2	13,552.7	14,000.3	13,705.1	**13,681.6**
1985	12,849.7	12,902.1	12,795.4	13,429.9	13,839.5	14,137.9	14,271.5	14,263.5	13,614.2	13,981.5	14,264.4	14,578.1	**13,744.0**
1986	14,338.3	13,662.1	13,314.5	14,076.5	15,003.3	14,942.1	14,780.2	15,250.2	14,941.4	14,220.1	14,765.9	14,911.4	**14,517.2**
1987	14,338.7	13,150.5	13,713.5	14,300.7	14,506.9	14,949.8	15,126.9	14,943.8	15,013.7	14,621.1	14,930.3	15,376.7	**14,581.1**
1988	14,792.0	14,428.4	14,638.5	14,890.6	14,865.6	15,170.9	15,333.7	15,501.6	14,983.1	14,856.9	15,061.5	15,706.6	**15,019.1**
1989	15,202.1	14,478.6	14,528.9	14,677.5	14,970.1	15,671.4	15,763.1	15,625.7	15,494.3	15,091.9	15,401.9	15,139.1	**15,170.4**

Total Refinery Output (Production)
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	429,130	379,720	410,286	397,600	424,503	430,662	442,911	441,723	418,060	440,858	415,036	426,118	**5,056,607**
1974	401,568	351,945	381,310	394,748	416,696	410,651	442,625	440,431	406,891	424,730	412,145	433,065	**4,916,805**
1975	431,129	373,081	402,702	383,758	398,841	410,078	441,346	439,855	430,585	425,386	408,045	440,164	**4,984,970**
1976	429,525	412,601	433,021	418,156	441,795	450,858	468,682	471,517	447,731	449,346	458,878	489,764	**5,371,874**
1977	485,711	452,058	478,050	460,211	481,801	478,791	502,174	499,181	481,476	494,161	481,658	498,650	**5,793,922**
1978	479,885	421,238	473,847	450,883	497,332	478,535	495,131	508,944	493,736	498,030	502,862	524,618	**5,825,041**
1979	496,197	433,765	476,082	461,885	483,770	476,817	497,876	498,659	470,027	482,136	472,423	503,961	**5,753,598**
1980	489,276	448,614	455,788	429,565	439,811	441,739	447,223	435,774	433,386	431,145	435,565	463,681	**5,351,567**
1981	466,957	400,637	425,774	405,354	422,165	413,579	425,734	443,466	423,888	421,071	419,171	438,578	**5,106,374**
1982	406,435	357,557	396,759	388,070	414,984	421,606	436,926	415,518	410,569	418,589	404,996	415,748	**4,887,757**
1983	388,393	337,129	374,450	380,178	410,307	411,263	427,171	419,671	420,303	411,676	414,643	400,169	**4,795,353**
1984	402,061	399,865	411,921	400,377	429,150	428,290	428,602	426,472	414,787	420,134	420,009	424,859	**5,006,527**
1985	398,340	361,260	396,658	402,898	429,026	424,137	442,417	442,167	408,427	433,428	427,932	451,922	**5,018,612**
1986	444,487	382,539	412,749	422,296	465,101	448,264	458,186	472,756	448,243	440,824	442,978	462,253	**5,300,676**
1987	444,501	381,365	425,118	429,021	449,713	448,493	468,935	463,258	450,410	453,254	447,910	476,679	**5,338,657**
1988	458,551	418,423	453,792	446,719	460,835	455,128	475,345	480,550	449,492	460,563	451,844	486,904	**5,498,146**
1989	471,266	405,402	450,396	440,325	464,072	470,141	488,656	484,398	464,830	467,848	462,057	469,311	**5,538,702**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Motor Gasoline Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	6,351.5	6,865.3	6,160.6	6,387.2	6,724.3	6,999.7	6,993.0	6,886.7	6,626.6	6,628.0	6,382.1	6,105.8	**6,592.6**
1974	5,905.7	5,972.0	5,984.7	6,313.9	6,331.3	6,665.8	6,795.5	6,817.5	6,455.1	6,339.3	6,294.4	6,422.2	**6,358.1**
1975	6,511.0	6,278.8	6,072.7	6,048.7	6,129.2	6,672.0	7,005.5	6,874.0	6,825.2	6,412.1	6,604.8	6,788.8	**6,518.6**
1976	6,485.0	6,475.3	6,457.9	6,564.6	6,777.0	7,305.7	7,176.9	7,151.4	6,880.9	6,680.6	6,940.5	7,178.5	**6,839.5**
1977	6,934.2	6,817.0	6,864.0	6,968.0	6,947.6	7,145.9	7,248.4	7,189.8	7,060.7	6,931.8	7,125.2	7,147.1	**7,031.6**
1978	6,935.0	6,632.9	6,751.9	6,669.9	7,060.8	7,211.6	7,266.5	7,455.8	7,400.6	7,178.3	7,584.9	7,833.0	**7,165.1**
1979	7,262.6	6,937.0	6,659.1	6,786.7	6,806.2	7,015.6	7,017.8	6,900.2	6,640.6	6,500.2	6,689.2	7,003.4	**6,851.6**
1980	6,990.6	6,866.1	6,519.1	6,283.9	6,315.5	6,568.9	6,465.1	6,452.2	6,383.0	6,131.5	6,466.6	6,643.9	**6,507.2**
1981	6,715.3	6,308.4	6,213.4	6,113.7	6,121.6	6,220.0	6,404.6	6,610.9	6,564.2	6,426.1	6,563.5	6,585.7	**6,404.0**
1982	6,166.7	5,898.5	5,993.6	6,095.1	6,318.8	6,753.7	6,767.8	6,419.3	6,527.2	6,262.3	6,273.5	6,542.4	**6,334.9**
1983	6,062.8	5,845.4	5,902.4	6,197.8	6,395.4	6,652.8	6,704.9	6,535.4	6,609.0	6,186.9	6,632.1	6,306.8	**6,336.0**
1984	6,035.5	6,317.3	6,358.2	6,524.4	6,649.7	6,618.5	6,450.1	6,405.2	6,515.6	6,388.1	6,708.6	6,477.6	**6,454.1**
1985	5,926.0	5,914.2	6,071.8	6,344.2	6,564.4	6,779.8	6,787.5	6,814.1	6,298.5	6,356.1	6,480.2	6,651.1	**6,415.7**
1986	6,522.0	6,301.4	6,060.4	6,497.6	7,094.3	7,100.3	6,955.6	7,091.2	6,890.2	6,615.9	6,894.8	6,969.3	**6,749.4**
1987	6,713.8	6,145.1	6,568.2	6,849.4	6,990.6	7,089.1	7,042.5	6,932.3	6,920.5	6,668.1	6,907.1	7,014.3	**6,820.1**
1988	6,729.8	6,735.9	6,714.7	6,906.7	6,850.3	6,982.4	7,158.9	7,208.7	6,948.1	6,857.3	7,060.1	7,303.2	**6,954.7**
1989	6,936.9	6,649.7	6,612.4	6,811.0	6,893.8	7,274.5	7,360.1	7,155.3	7,069.3	6,844.8	7,046.3	6,883.9	**6,961.5**

Total Motor Gasoline Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	196,898	192,228	190,978	191,616	208,454	209,991	216,783	213,489	198,798	205,467	191,464	189,281	**2,405,447**
1974	183,078	167,215	185,527	189,417	196,269	199,974	210,659	211,342	193,653	196,519	188,832	199,087	**2,321,572**
1975	201,841	175,807	188,253	181,461	190,004	200,161	217,171	213,094	204,755	198,776	198,144	210,452	**2,379,919**
1976	201,035	187,784	200,194	196,938	210,087	219,170	222,483	221,692	206,427	207,099	208,215	222,533	**2,503,657**
1977	214,959	190,877	212,783	209,041	215,375	214,378	224,699	222,883	211,820	214,887	213,755	221,561	**2,567,018**
1978	214,985	185,720	209,310	200,098	218,885	216,348	225,262	231,131	222,018	222,527	227,548	242,824	**2,616,656**
1979	225,142	194,237	206,431	203,600	210,991	210,469	217,553	213,905	199,219	201,507	200,677	217,105	**2,500,836**
1980	216,709	199,116	202,092	188,516	195,781	197,068	200,419	200,018	191,490	190,075	193,998	205,960	**2,381,242**
1981	208,175	176,636	192,615	183,411	189,771	186,601	198,544	204,937	196,925	199,209	196,906	204,157	**2,337,887**
1982	191,169	165,158	185,803	182,852	195,883	202,612	209,801	198,997	195,815	194,130	188,204	202,815	**2,313,239**
1983	187,948	163,670	182,973	185,935	198,257	199,583	207,851	202,597	198,270	191,795	198,964	195,511	**2,313,354**
1984	187,101	183,201	197,104	195,732	206,142	198,556	199,952	198,560	195,468	198,030	201,258	200,805	**2,361,909**
1985	183,706	165,598	188,225	190,326	203,497	203,393	210,414	211,236	188,955	197,040	194,407	206,184	**2,342,981**
1986	202,18[illegible]	176,440	187,872	194,929	219,922	213,010	215,625	219,828	206,705	205,092	206,844	216,047	**2,464,496**
1987	208,129	178,209	203,615	205,483	216,709	212,674	218,317	214,902	207,615	206,711	207,212	217,443	**2,497,019**
1988	208,623	195,340	208,155	207,200	212,359	209,473	221,925	223,471	208,444	212,577	211,802	226,399	**2,545,768**
1989	215,043	186,192	204,984	204,331	213,709	218,236	228,162	221,813	212,078	212,188	211,389	213,402	**2,541,527**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Motor Gasoline Production
By Type, At Refineries, Total U.S.
Thousands of barrels per day

		January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1982:	Leaded	2,950.6	2,752.8	2,878.8	2,914.4	3,080.7	3,198.0	3,198.1	2,904.0	3,015.0	2,975.6	3,028.9	3,023.8	**2,993.4**
	Unleaded	3,212.6	3,141.4	3,111.7	3,177.3	3,235.2	3,552.8	3,566.4	3,511.7	3,509.0	3,284.0	3,241.6	3,514.4	**3,338.2**
1983:	Leaded	2,722.2	2,628.9	2,696.2	2,814.6	2,939.8	3,137.6	2,983.8	2,914.3	2,850.2	2,732.8	2,875.0	2,727.0	**2,835.2**
	Unleaded	3,340.6	3,216.5	3,206.1	3,383.3	3,455.6	3,515.2	3,721.1	3,621.1	3,758.8	3,454.1	3,757.2	3,579.8	**3,500.8**
1984:	Leaded	2,503.4	2,631.3	2,630.8	2,741.1	2,722.4	2,663.7	2,557.2	2,507.8	2,521.7	2,410.7	2,578.6	2,395.9	**2,572.0**
	Unleaded	3,532.1	3,686.0	3,727.4	3,783.3	3,927.4	3,954.8	3,892.9	3,897.4	3,993.9	3,977.3	4,130.0	4,081.7	**3,882.0**
1985:	Leaded	2,142.3	2,131.5	2,196.6	2,281.0	2,425.3	2,647.6	2,240.9	2,405.8	2,116.2	2,149.5	2,300.9	2,326.5	**2,280.3**
	Unleaded	3,783.7	3,782.7	3,875.1	4,063.2	4,139.1	4,132.1	4,546.6	4,408.3	4,182.3	4,206.6	4,179.3	4,324.6	**4,135.3**
1986:	Leaded	2,022.7	1,981.1	1,985.7	2,091.9	2,402.5	2,328.6	2,182.5	2,168.1	2,043.2	1,969.9	2,011.5	1,956.7	**2,095.4**
	Unleaded	4,499.3	4,320.4	4,074.7	4,405.8	4,691.8	4,771.8	4,773.1	4,923.2	4,846.9	4,646.0	4,883.3	5,012.5	**4,654.1**
1987:	Leaded	1,777.5	1,654.8	1,626.1	1,712.5	1,814.5	1,770.1	1,746.7	1,643.7	1,663.6	1,542.8	1,554.9	1,502.9	**1,667.5**
	Unleaded	4,936.3	4,709.8	4,942.1	5,136.9	5,176.1	5,319.0	5,295.8	5,288.6	5,256.9	5,125.3	5,352.1	5,511.4	**5,170.9**
1988:	Leaded	1,320.2	1,340.9	1,337.1	1,384.3	1,358.7	1,399.9	1,394.2	1,320.2	1,207.3	1,181.4	1,196.4	1,186.6	**1,302.3**
	Unleaded	5,409.6	5,394.9	5,377.5	5,522.4	5,491.5	5,582.6	5,764.7	5,888.6	5,740.9	5,676.0	5,863.6	6,116.6	**5,652.4**
1989:	Leaded	1,025.0	899.1	813.3	803.3	852.9	870.2	784.6	717.6	750.0	604.8	596.1	454.9	**764.3**
	Unleaded	5,911.9	5,750.6	5,799.1	6,007.7	6,040.9	6,404.3	6,575.5	6,437.6	6,319.3	6,240.0	6,450.2	6,429.0	**6,197.2**

Motor Gasoline Production
By Type, At Refineries, Total U.S.
Thousands of barrels

		January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1982:	Leaded	91,469	77,079	89,242	87,433	95,501	95,940	99,141	90,023	90,449	92,245	90,867	93,737	**1,093,126**
	Unleaded	99,591	87,960	96,462	95,320	100,291	106,583	110,559	108,863	105,271	101,804	97,249	108,946	**1,218,899**
1983:	Leaded	84,389	73,609	83,583	84,437	91,133	94,128	92,498	90,343	85,507	84,717	86,249	84,537	**1,035,130**
	Unleaded	103,559	90,061	99,390	101,498	107,124	105,455	115,353	112,254	112,763	107,078	112,715	110,974	**1,278,224**
1984:	Leaded	77,605	76,308	81,554	82,234	84,393	79,912	79,273	77,741	75,651	74,733	77,357	74,272	**941,033**
	Unleaded	109,496	106,893	115,550	113,498	121,749	118,644	120,679	120,819	119,817	123,297	123,901	126,533	**1,420,876**
1985:	Leaded	66,410	59,682	68,096	68,429	75,185	79,429	69,468	74,579	63,485	66,634	69,028	72,120	**832,545**
	Unleaded	117,296	105,916	120,129	121,897	128,312	123,964	140,946	136,657	125,470	130,406	125,379	134,064	**1,510,436**
1986:	Leaded	62,704	55,470	61,557	62,756	74,476	69,857	67,658	67,210	61,297	61,067	60,344	60,658	**765,054**
	Unleaded	139,478	120,970	126,315	132,173	145,446	143,153	147,967	152,618	145,408	144,025	146,500	155,389	**1,699,442**
1987:	Leaded	55,103	46,335	50,410	51,376	56,249	53,104	54,148	50,956	49,909	47,826	46,648	46,591	**608,655**
	Unleaded	153,026	131,874	153,205	154,107	160,460	159,570	164,169	163,946	157,706	158,885	160,564	170,852	**1,888,364**
1988:	Leaded	40,925	38,887	41,451	41,528	42,121	41,996	43,220	40,925	36,218	36,622	35,893	36,784	**476,570**
	Unleaded	167,698	156,453	166,704	165,672	170,238	167,477	178,705	182,546	172,226	175,955	175,909	189,615	**2,069,198**
1989:	Leaded	31,774	25,175	25,211	24,100	26,440	26,106	24,322	22,247	22,500	18,748	17,884	14,103	**278,610**
	Unleaded	183,269	161,017	179,773	180,231	187,269	192,130	203,840	199,566	189,578	193,440	193,505	199,299	**2,262,917**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total Jet Naphtha Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	170.4	163.9	195.4	198.5	193.7	178.1	155.9	173.3	185.9	170.3	163.5	219.4	**180.7**
1974	175.9	173.5	214.9	204.3	221.0	214.2	167.2	166.5	216.1	197.4	216.6	172.7	**195.0**
1975	138.5	166.1	198.6	165.6	183.0	163.4	187.7	187.5	191.2	196.2	201.6	176.8	**179.7**
1976	161.4	166.3	171.6	195.5	214.8	170.3	187.1	188.6	217.5	197.2	188.8	185.4	**187.0**
1977	176.6	177.6	196.2	172.7	188.8	193.1	179.2	191.0	174.1	204.1	193.5	177.2	**185.8**
1978	150.2	164.1	185.7	181.8	194.5	174.9	170.4	196.4	179.0	176.2	182.6	188.3	**178.7**
1979	162.4	160.2	166.3	184.1	181.3	186.0	186.6	165.4	171.4	188.9	170.3	192.9	**176.3**
1980	173.7	190.3	188.9	183.1	168.9	184.7	187.3	209.8	193.9	185.8	188.1	200.4	**187.9**
1981	165.0	172.4	189.0	170.4	197.9	205.8	214.2	219.0	201.0	189.1	207.8	182.3	**192.8**
1982	153.3	185.0	221.7	212.9	203.9	214.0	223.5	204.3	196.3	189.8	200.9	200.0	**200.5**
1983	201.1	224.4	227.9	187.9	228.6	215.9	220.7	202.4	199.8	161.1	202.4	194.4	**205.6**
1984	179.3	192.7	211.4	197.2	209.4	209.1	230.6	243.0	228.4	211.8	221.4	215.5	**212.5**
1985	185.2	194.6	189.2	221.7	229.8	210.6	223.6	209.0	205.6	202.8	209.0	188.7	**205.8**
1986	193.4	172.5	172.3	201.4	197.1	209.0	203.4	196.8	197.0	201.8	202.2	203.4	**195.9**
1987	173.8	194.0	187.4	201.7	215.6	204.3	221.4	208.3	204.0	218.6	217.3	205.8	**204.4**
1988	184.6	177.9	211.0	203.0	228.7	208.1	208.7	206.1	198.1	207.8	219.2	217.1	**205.9**
1989	190.6	190.0	208.6	196.2	217.7	211.3	215.9	200.4	223.7	204.0	209.4	205.3	**206.1**

Total Jet Naphtha Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	5,281	4,589	6,057	5,955	6,005	5,344	4,833	5,371	5,578	5,278	4,905	6,801	**65,997**
1974	5,453	4,859	6,661	6,128	6,850	6,427	5,183	5,162	6,482	6,118	6,497	5,355	**71,175**
1975	4,294	4,651	6,157	4,967	5,672	4,901	5,820	5,812	5,735	6,082	6,047	5,482	**65,620**
1976	5,003	4,822	5,319	5,865	6,659	5,109	5,801	5,846	6,524	6,113	5,665	5,746	**68,472**
1977	5,476	4,973	6,083	5,180	5,853	5,973	5,556	5,921	5,223	6,326	5,806	5,492	**67,862**
1978	4,657	4,594	5,758	5,454	6,028	5,248	5,282	6,087	5,371	5,462	5,479	5,837	**65,257**
1979	5,035	4,485	5,154	5,523	5,619	5,580	5,786	5,126	5,143	5,856	5,108	5,979	**64,394**
1980	5,385	5,520	5,857	5,492	5,237	5,541	5,805	6,504	5,817	5,761	5,644	6,212	**68,775**
1981	5,114	4,828	5,860	5,112	6,136	6,173	6,639	6,789	6,029	5,861	6,235	5,652	**70,428**
1982	4,751	5,181	6,874	6,388	6,321	6,421	6,928	6,334	5,889	5,884	6,027	6,201	**73,199**
1983	6,234	6,282	7,064	5,637	7,088	6,478	6,843	6,273	5,995	4,995	6,071	6,026	**74,986**
1984	5,559	5,588	6,554	5,917	6,491	6,272	7,148	7,532	6,852	6,567	6,642	6,681	**77,803**
1985	5,740	5,449	5,866	6,652	7,125	6,319	6,932	6,480	6,169	6,288	6,269	5,850	**75,139**
1986	5,996	4,830	5,342	6,042	6,109	6,269	6,305	6,100	5,911	6,256	6,066	6,306	**71,532**
1987	5,389	5,431	5,810	6,052	6,685	6,128	6,862	6,458	6,120	6,778	6,519	6,380	**74,612**
1988	5,723	5,158	6,540	6,089	7,089	6,244	6,470	6,388	5,944	6,443	6,575	6,730	**75,393**
1989	5,910	5,319	6,467	5,886	6,748	6,338	6,694	6,211	6,710	6,323	6,283	6,365	**75,254**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Kerosine Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	693.7	734.5	721.6	688.6	646.2	657.7	669.0	671.0	661.4	704.9	688.9	610.6	**679.0**
1974	623.9	609.5	616.8	664.0	647.1	595.6	634.8	638.4	651.1	670.4	646.3	688.4	**640.5**
1975	692.7	668.7	697.8	698.0	677.9	675.5	695.5	770.5	716.2	667.4	662.2	671.7	**691.2**
1976	727.9	751.3	755.7	731.2	684.2	708.4	746.2	753.3	772.1	692.5	731.1	714.5	**730.7**
1977	739.1	795.0	756.6	816.6	788.2	795.3	787.5	815.8	827.9	768.3	754.8	798.6	**787.0**
1978	770.5	824.9	781.1	797.7	816.9	787.9	752.9	770.0	810.0	755.6	828.0	800.6	**791.3**
1979	787.6	837.8	932.0	858.6	798.4	772.4	778.0	874.3	786.5	856.9	858.2	879.0	**835.0**
1980	830.1	835.5	842.5	839.8	833.5	819.2	786.5	749.2	846.9	790.2	800.2	761.8	**811.3**
1981	791.5	776.0	805.7	789.2	807.7	786.4	823.3	756.7	731.6	713.1	751.8	762.9	**774.7**
1982	744.2	817.1	901.5	797.3	699.0	715.6	743.5	780.8	780.9	790.5	814.6	749.1	**777.9**
1983	807.6	785.9	814.2	793.3	778.1	832.4	816.2	811.6	890.3	846.7	876.3	751.5	**817.0**
1984	869.6	938.0	892.7	870.7	890.3	916.0	948.2	972.8	926.3	958.2	919.5	930.9	**919.4**
1985	958.2	981.3	1,002.7	937.4	915.2	914.0	953.7	966.0	989.0	1,036.0	1,089.7	1,051.4	**982.9**
1986	1,143.2	1,174.7	1,119.4	963.3	1,004.2	1,066.2	1,084.4	1,072.2	1,092.7	1,112.2	1,125.2	1,210.4	**1,097.3**
1987	1,191.7	1,134.8	1,095.0	1,051.8	1,034.9	1,048.1	1,125.8	1,190.8	1,189.9	1,189.4	1,170.9	1,232.9	**1,138.0**
1988	1,230.7	1,204.7	1,242.3	1,088.0	1,059.0	1,133.4	1,154.4	1,138.5	1,176.9	1,158.3	1,118.0	1,258.8	**1,163.6**
1989	1,312.1	1,214.0	1,187.6	1,074.2	1,031.4	1,138.9	1,193.9	1,237.0	1,218.3	1,299.6	1,305.0	1,149.1	**1,196.8**

Total Jet Kerosine Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	21,506	20,567	22,369	20,658	20,031	19,731	20,739	20,802	19,841	21,851	20,668	18,929	**247,692**
1974	19,341	17,066	19,122	19,919	20,059	17,869	19,678	19,790	19,533	20,783	19,388	21,341	**233,889**
1975	21,475	18,723	21,633	20,939	21,016	20,264	21,561	23,884	21,487	20,689	19,866	20,824	**252,361**
1976	22,565	21,789	23,426	21,936	21,209	21,251	23,131	23,353	23,164	21,467	21,933	22,150	**267,374**
1977	22,913	22,261	23,454	24,499	24,435	23,860	24,412	25,289	24,838	23,818	22,645	24,758	**287,182**
1978	23,886	23,097	24,213	23,932	25,325	23,638	23,339	23,869	24,301	23,425	24,839	24,818	**288,682**
1979	24,417	23,458	28,892	25,757	24,751	23,172	24,117	27,102	23,596	26,565	25,747	27,250	**304,824**
1980	25,733	24,229	26,119	25,193	25,839	24,577	24,380	23,224	25,406	24,497	24,007	23,617	**296,821**
1981	24,536	21,728	24,976	23,676	25,039	23,591	25,523	23,458	21,949	22,107	22,554	23,650	**282,787**
1982	23,069	22,880	27,947	23,919	21,670	21,468	23,050	24,206	23,428	24,506	24,437	23,221	**283,801**
1983	25,036	22,004	25,239	23,798	24,122	24,973	25,302	25,160	26,708	26,247	26,290	23,296	**298,175**
1984	26,958	27,201	27,675	26,122	27,600	27,480	29,395	30,156	27,788	29,703	27,586	28,857	**336,521**
1985	29,703	27,475	31,083	28,121	28,370	27,419	29,566	29,945	29,669	32,116	32,692	32,594	**358,753**
1986	35,438	32,891	34,700	28,899	31,129	31,987	33,615	33,237	32,782	34,478	33,756	37,521	**400,433**
1987	36,943	31,773	33,945	31,554	32,081	31,444	34,901	36,916	35,697	36,870	35,126	38,220	**415,470**
1988	38,153	34,937	38,512	32,641	32,828	34,002	35,787	35,292	35,306	35,908	33,541	39,023	**425,930**
1989	40,675	33,992	36,817	32,226	31,974	34,166	37,010	38,347	36,550	40,288	39,151	35,621	**436,817**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Kerosine Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	306.9	334.4	258.4	219.3	166.6	151.1	158.8	175.6	196.7	226.3	220.0	228.5	220.2
1974	191.7	200.9	151.0	120.6	126.5	135.0	119.6	132.3	137.0	187.2	178.5	192.8	156.1
1975	197.3	204.5	158.0	149.4	136.5	93.5	119.7	140.5	145.2	143.2	157.7	187.6	152.8
1976	179.8	187.0	162.1	130.8	113.7	117.3	107.9	138.6	148.9	154.5	164.1	223.5	152.4
1977	256.9	254.0	179.6	128.0	121.2	141.1	172.6	124.2	142.4	166.3	190.1	187.6	172.0
1978	180.8	191.8	193.7	137.8	135.7	132.7	125.2	132.1	128.7	152.6	157.3	184.9	154.4
1979	223.0	260.8	169.3	181.2	171.2	157.0	162.3	156.1	171.7	181.3	172.4	195.4	183.5
1980	166.0	182.7	151.3	142.9	115.6	117.1	121.3	106.1	118.5	124.9	130.7	166.0	136.9
1981	183.1	160.3	124.2	120.5	113.0	103.9	87.0	99.0	89.2	86.9	123.1	145.3	119.6
1982	141.7	153.6	105.4	120.5	77.2	88.6	85.7	83.7	112.3	129.4	143.6	142.3	115.3
1983	133.5	134.0	125.3	89.3	86.1	70.8	77.3	82.3	118.1	137.2	128.9	132.9	109.6
1984	181.2	151.5	78.9	73.3	81.9	95.4	84.8	87.5	123.7	133.7	128.5	151.6	114.3
1985	100.2	135.0	97.4	68.7	43.3	59.3	77.1	91.1	101.5	116.5	115.4	130.8	94.7
1986	135.4	119.9	96.2	76.1	47.3	44.7	62.1	72.8	91.0	91.5	106.5	131.5	89.8
1987	128.3	78.7	61.4	45.9	38.2	38.4	53.4	65.7	90.2	118.2	116.7	106.5	78.5
1988	103.6	117.8	68.0	49.7	48.0	55.0	64.0	80.6	79.9	79.7	99.1	99.5	78.7
1989	110.1	69.6	76.0	66.8	46.1	70.2	55.2	56.4	80.8	74.2	94.0	86.3	73.8

Total Kerosine Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	9,515	9,362	8,009	6,578	5,164	4,533	4,923	5,443	5,900	7,014	6,601	7,084	80,126
1974	5,942	5,624	4,681	3,618	3,923	4,050	3,707	4,100	4,111	5,803	5,356	5,976	56,891
1975	6,117	5,725	4,897	4,481	4,233	2,806	3,711	4,356	4,357	4,439	4,731	5,817	55,670
1976	5,575	5,423	5,025	3,924	3,526	3,519	3,344	4,296	4,468	4,788	4,924	6,928	55,740
1977	7,963	7,113	5,569	3,839	3,757	4,232	5,352	3,850	4,273	5,156	5,702	5,816	62,622
1978	5,606	5,371	6,006	4,135	4,206	3,981	3,882	4,094	3,862	4,731	4,719	5,732	56,325
1979	6,913	7,302	5,248	5,437	5,312	4,710	5,032	4,838	5,151	5,620	5,171	6,057	66,791
1980	5,145	5,299	4,691	4,288	3,585	3,512	3,760	3,288	3,554	3,871	3,920	5,145	50,058
1981	5,677	4,487	3,850	3,614	3,504	3,117	2,696	3,068	2,676	2,694	3,692	4,505	43,580
1982	4,392	4,302	3,267	3,615	2,394	2,658	2,657	2,594	3,369	4,011	4,309	4,410	41,978
1983	4,139	3,753	3,883	2,679	2,668	2,125	2,395	2,551	3,542	4,253	3,868	4,121	39,977
1984	5,616	4,393	2,446	2,198	2,540	2,863	2,629	2,713	3,710	4,145	3,856	4,699	41,808
1985	3,106	3,779	3,020	2,061	1,342	1,779	2,389	2,825	3,045	3,613	3,461	4,055	34,475
1986	4,196	3,357	2,983	2,283	1,466	1,342	1,925	2,257	2,731	2,836	3,195	4,076	32,847
1987	3,977	2,203	1,902	1,377	1,184	1,151	1,656	2,038	2,707	3,665	3,501	3,300	28,661
1988	3,211	3,417	2,108	1,490	1,488	1,649	1,984	2,498	2,397	2,471	2,972	3,085	28,770
1989	3,414	1,950	2,356	2,003	1,428	2,107	1,710	1,749	2,425	2,301	2,819	2,676	26,938

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Distillate Fuel Oil Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	3,030.9	2,939.8	2,669.8	2,512.7	2,546.6	2,827.4	2,753.6	2,803.1	2,814.6	2,912.6	2,924.3	3,137.8	2,822.8
1974	2,882.0	2,399.5	2,227.0	2,522.5	2,705.0	2,783.5	2,792.4	2,705.4	2,552.2	2,700.4	2,801.3	2,925.1	2,666.4
1975	2,852.8	2,679.3	2,532.2	2,487.2	2,431.8	2,574.5	2,590.4	2,592.4	2,812.5	2,745.2	2,767.3	2,783.9	2,654.1
1976	2,734.4	2,961.5	2,794.0	2,655.5	2,738.5	2,885.6	2,959.7	2,982.0	2,947.2	2,995.8	3,180.8	3,255.4	2,924.2
1977	3,369.4	3,695.5	3,173.3	2,994.9	3,130.7	3,191.3	3,198.2	3,272.5	3,311.6	3,362.0	3,339.6	3,323.1	3,280.2
1978	3,067.5	2,952.3	3,014.9	2,959.5	3,250.4	3,109.7	3,123.5	3,296.6	3,185.2	3,299.3	3,366.6	3,360.9	3,165.5
1979	3,043.3	2,888.3	3,019.6	2,945.9	3,066.1	3,153.2	3,306.1	3,321.1	3,354.7	3,251.4	3,239.5	3,221.4	3,150.9
1980	3,013.8	2,766.2	2,557.7	2,460.7	2,474.4	2,646.6	2,689.8	2,461.7	2,686.3	2,589.6	2,703.1	2,891.3	2,661.8
1981	2,988.6	2,808.9	2,483.6	2,418.2	2,453.6	2,500.7	2,394.7	2,655.5	2,610.5	2,484.7	2,715.5	2,856.5	2,614.3
1982	2,591.1	2,426.7	2,288.5	2,358.1	2,618.4	2,729.5	2,734.2	2,507.5	2,656.5	2,837.6	2,860.2	2,654.7	2,605.2
1983	2,321.4	2,135.1	1,993.1	2,171.4	2,443.9	2,545.9	2,604.0	2,615.4	2,739.4	2,681.4	2,679.8	2,522.4	2,454.4
1984	2,589.7	2,865.7	2,477.4	2,340.6	2,622.5	2,878.9	2,717.6	2,659.6	2,704.9	2,689.9	2,824.8	2,796.4	2,680.7
1985	2,630.0	2,502.1	2,265.0	2,488.2	2,683.8	2,645.0	2,644.3	2,590.5	2,592.0	2,900.1	3,100.5	3,174.1	2,684.6
1986	2,897.2	2,561.3	2,641.8	2,786.3	2,856.9	2,728.0	2,709.0	2,921.2	2,864.1	2,716.1	2,915.2	2,941.4	2,794.9
1987	2,757.6	2,554.4	2,419.7	2,551.4	2,561.5	2,687.4	2,699.3	2,704.2	2,746.7	2,779.3	3,033.7	3,240.3	2,728.0
1988	3,008.3	2,665.6	2,705.0	2,865.1	2,934.8	2,891.2	2,782.6	2,846.9	2,777.0	2,825.5	2,907.5	3,066.5	2,856.3
1989	2,973.7	2,797.1	2,713.1	2,789.3	2,749.6	2,808.8	2,847.9	2,906.5	2,951.7	2,906.2	3,063.2	3,266.3	2,897.8

Total Distillate Fuel Oil Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	93,959	82,315	82,764	75,382	78,945	84,823	85,361	86,896	84,439	90,292	87,730	97,272	1,030,178
1974	89,341	67,185	69,037	75,675	83,855	83,504	86,565	83,868	76,566	83,713	84,038	90,678	974,025
1975	88,438	75,021	78,499	74,615	75,386	77,234	80,301	80,363	84,374	85,100	83,019	86,300	968,650
1976	84,766	85,884	86,614	79,666	84,893	86,567	91,750	92,443	88,417	92,869	95,423	100,917	1,070,209
1977	104,452	103,475	98,371	89,846	97,051	95,739	99,143	101,448	99,348	104,221	100,189	103,015	1,196,298
1978	95,092	82,663	93,462	88,786	100,762	93,290	96,830	102,194	95,556	102,277	100,998	104,187	1,156,097
1979	94,343	80,872	93,608	88,376	95,050	94,597	102,488	102,955	100,642	100,792	97,186	99,862	1,150,771
1980	93,428	80,220	79,290	73,820	76,705	79,399	83,383	76,313	80,588	80,277	81,094	89,631	974,148
1981	92,646	78,649	76,991	72,545	76,061	75,022	74,235	82,322	78,315	77,027	81,466	88,551	953,830
1982	80,324	67,947	70,943	70,744	81,171	81,884	84,759	77,731	79,696	87,965	85,806	82,297	951,267
1983	71,963	59,782	61,787	65,141	75,762	76,376	80,723	81,077	82,183	83,122	80,393	78,195	896,504
1984	80,281	83,106	76,800	70,218	81,298	86,366	84,245	82,447	81,148	83,388	84,743	86,687	980,727
1985	81,531	70,058	70,214	74,645	83,198	79,351	81,973	80,306	77,759	89,904	93,015	98,397	980,351
1986	89,812	71,716	81,897	83,590	88,565	81,841	83,978	90,557	85,922	84,199	87,456	91,183	1,020,716
1987	85,487	71,524	75,012	76,541	79,406	80,621	83,677	83,831	82,401	86,157	91,012	100,450	996,119
1988	93,258	77,303	83,855	85,952	90,978	86,736	86,260	88,255	83,310	87,591	87,225	95,063	1,045,786
1989	92,184	78,318	84,107	83,679	85,239	84,265	88,285	90,103	88,551	90,092	91,896	101,256	1,057,975

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Residual Fuel Oil Production
At Refineries, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	1,112.0	1,037.6	954.6	877.2	948.1	914.9	882.3	850.6	877.9	984.4	1,061.3	1,158.4	**971.6**
1974	1,071.7	1,028.9	911.6	984.6	994.7	1,025.8	1,055.7	1,066.8	1,032.1	1,098.7	1,228.7	1,334.6	**1,069.5**
1975	1,414.7	1,354.0	1,298.7	1,244.5	1,150.9	1,152.3	1,154.8	1,145.9	1,183.3	1,165.5	1,214.2	1,353.9	**1,236.1**
1976	1,415.4	1,393.6	1,310.6	1,282.9	1,256.7	1,240.9	1,266.2	1,320.7	1,330.4	1,351.1	1,581.0	1,772.4	**1,376.8**
1977	1,891.5	1,955.0	1,719.8	1,690.6	1,681.5	1,719.7	1,734.6	1,635.3	1,749.6	1,748.7	1,694.7	1,839.0	**1,755.0**
1978	1,868.3	1,795.4	1,750.9	1,548.1	1,652.6	1,571.5	1,585.9	1,629.7	1,635.6	1,563.5	1,662.0	1,750.5	**1,667.8**
1979	1,912.2	1,792.1	1,719.3	1,639.4	1,586.3	1,548.1	1,574.5	1,583.5	1,627.3	1,629.4	1,736.3	1,893.8	**1,686.8**
1980	1,770.8	1,772.7	1,583.6	1,594.7	1,508.5	1,574.7	1,479.6	1,443.6	1,494.8	1,512.2	1,579.1	1,660.3	**1,581.2**
1981	1,612.2	1,564.8	1,423.7	1,320.0	1,222.8	1,232.1	1,173.5	1,231.2	1,292.1	1,238.1	1,226.7	1,329.0	**1,322.2**
1982	1,234.8	1,185.5	1,123.3	1,166.0	1,128.4	1,073.7	1,027.9	964.5	1,008.4	954.5	988.6	988.5	**1,070.4**
1983	972.0	856.9	834.5	940.5	935.5	828.0	769.3	709.6	825.7	807.1	845.3	897.3	**851.8**
1984	961.2	1,002.8	889.0	847.5	840.5	849.4	769.9	800.2	850.4	907.1	928.1	1,053.2	**891.6**
1985	1,004.4	1,040.0	962.8	912.0	793.2	701.6	732.2	742.3	807.8	912.0	932.2	1,055.3	**883.0**
1986	940.2	856.2	813.3	932.6	912.7	818.4	849.9	895.7	853.7	827.2	974.7	986.8	**888.4**
1987	920.4	825.2	862.9	831.3	812.6	864.1	900.8	881.7	904.2	886.8	928.2	1,001.3	**685.0**
1988	1,002.2	993.8	948.1	959.7	862.0	879.9	906.3	866.4	851.6	852.0	916.5	1,068.8	**925.6**
1989	949.5	930.0	936.9	903.8	933.6	952.6	861.7	902.6	855.7	1,001.4	1,075.0	1,140.0	**953.6**

Total Residual Fuel Oil Production
At Refineries, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	34,472	29,053	29,592	26,315	29,392	27,448	27,352	26,368	26,338	30,517	31,840	35,910	**354,597**
1974	33,222	28,808	28,259	29,539	30,835	30,773	32,727	33,072	30,963	34,060	36,861	41,372	**390,491**
1975	43,857	37,912	40,260	37,335	35,678	34,569	35,798	35,522	35,500	36,130	36,426	41,970	**450,957**
1976	43,876	40,414	40,628	38,486	38,958	37,226	39,251	40,941	39,912	41,885	47,431	54,945	**503,953**
1977	58,637	54,739	53,315	50,719	52,128	51,590	53,773	50,693	52,488	54,209	50,840	57,009	**640,140**
1978	57,918	50,270	54,278	46,444	51,232	47,146	49,164	50,520	49,067	48,470	49,861	54,264	**608,634**
1979	59,277	50,178	53,297	49,182	49,174	46,444	48,810	49,089	48,819	50,510	52,090	58,709	**615,579**
1980	54,894	51,408	49,093	47,842	46,764	47,242	45,868	44,751	44,844	46,878	47,373	51,469	**578,426**
1981	49,977	43,815	44,136	39,600	37,907	36,963	36,380	38,168	38,764	38,380	36,800	41,198	**482,088**
1982	38,280	33,195	34,821	34,979	34,979	32,212	31,865	29,901	30,252	29,591	29,657	30,645	**390,377**
1983	30,131	23,992	25,870	28,216	29,002	24,840	23,847	21,998	24,772	25,020	25,358	27,817	**310,863**
1984	29,796	29,080	27,559	25,424	26,055	25,482	23,866	24,805	25,512	28,120	27,842	32,648	**326,189**
1985	31,137	29,121	29,847	27,361	24,589	21,047	22,698	23,011	24,235	28,271	27,966	32,714	**321,997**
1986	29,145	23,973	25,211	27,977	28,295	24,551	26,347	27,766	25,610	25,643	29,240	30,591	**324,349**
1987	28,531	23,105	26,749	24,940	25,190	25,922	27,925	27,332	27,127	27,492	27,847	31,041	**323,201**
1988	31,068	28,821	29,390	28,792	26,723	26,398	28,096	26,858	25,549	26,413	27,494	33,132	**338,734**
1989	29,433	26,040	29,043	27,114	28,942	28,577	26,713	27,981	25,672	31,042	32,250	35,341	**348,148**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Liquified Petroleum Gases Production
At Refineries*, Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	360.9	359.3	378.2	373.0	420.6	388.1	410.0	390.0	369.7	376.8	331.2	337.9	374.6
1974	326.6	337.0	340.5	353.0	339.7	368.3	364.3	361.1	348.1	329.5	300.6	286.2	337.9
1975	307.4	295.6	279.8	272.8	298.9	323.4	336.3	357.0	325.8	310.1	308.8	310.2	310.5
1976	305.0	316.4	332.9	349.2	376.0	355.9	353.8	361.6	351.6	309.0	331.4	340.6	340.3
1977	322.7	336.3	330.6	336.3	397.5	363.7	381.0	360.2	352.4	353.2	348.9	344.6	352.3
1978	325.9	338.4	361.0	351.6	362.7	367.5	347.6	351.2	379.3	352.2	357.2	363.4	354.8
1979	335.2	315.8	321.8	340.8	373.0	355.8	361.8	364.4	323.2	320.7	322.1	342.9	339.8
1980	338.5	352.9	342.3	334.6	324.5	334.6	328.6	323.3	314.4	299.4	323.9	346.2	330.3
1981	323.9	332.4	312.8	321.7	324.9	325.9	306.6	341.4	326.3	299.0	297.8	263.4	314.7
1982	235.6	229.9	254.6	262.9	280.7	293.5	300.8	280.9	308.9	257.8	259.0	272.3	269.7
1983	272.7	279.4	304.3	331.4	327.8	363.5	361.0	342.4	363.2	344.0	345.4	295.7	327.6
1984	319.4	349.4	378.2	384.4	393.0	402.6	399.4	387.3	345.4	335.0	337.7	318.8	362.6
1985	333.3	356.1	368.6	409.1	416.1	431.6	449.2	421.8	394.4	355.1	355.6	396.3	390.6
1986	422.1	402.4	365.3	386.5	424.5	419.1	457.6	448.2	437.4	414.9	418.5	409.5	417.2
1987	436.2	421.5	443.5	463.6	441.9	460.6	492.0	453.2	457.0	441.5	435.4	433.8	448.3
1988	458.6	466.1	491.4	490.5	495.6	506.9	539.0	549.0	529.2	514.6	471.3	472.9	498.8
1989	526.2	494.2	563.8	595.8	643.1	638.8	633.3	603.0	568.4	508.0	457.0	412.6	553.7

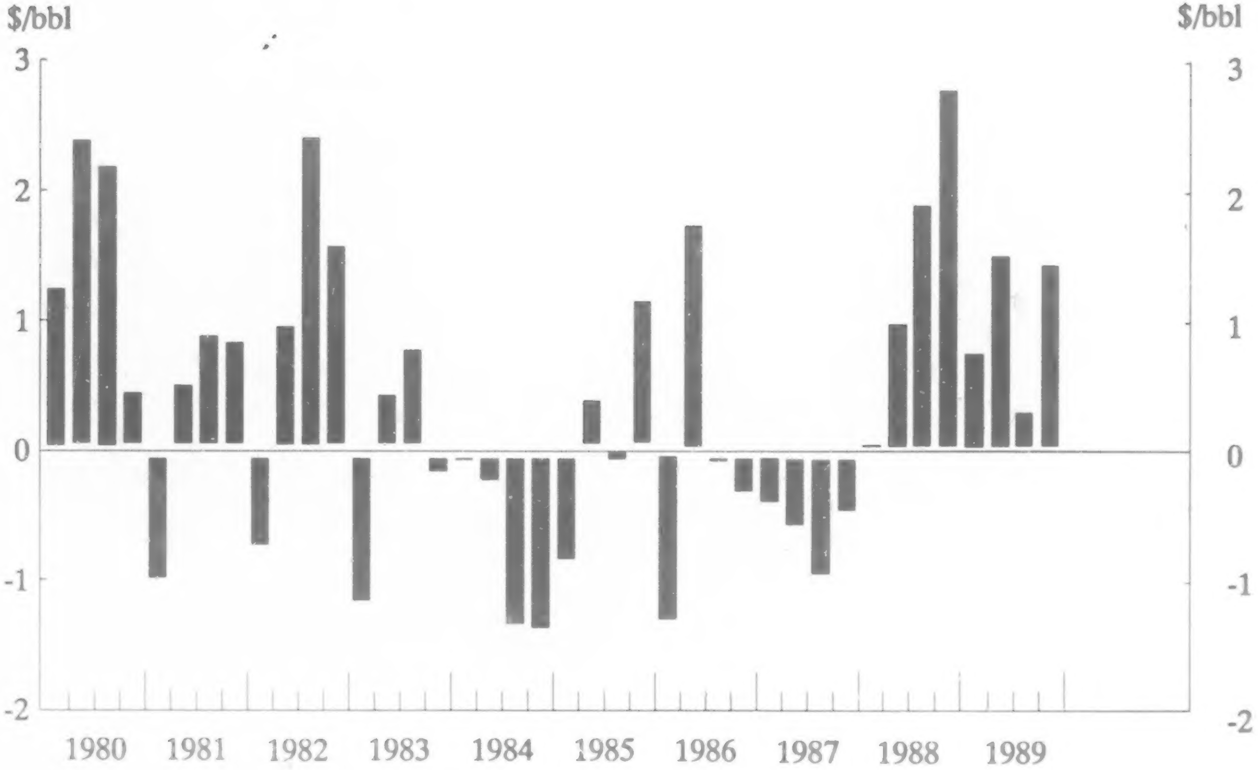
Total Liquified Petroleum Gases Production
At Refineries*, Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	11,188	10,059	11,724	11,190	13,039	11,644	12,711	12,091	11,090	11,681	9,935	10,474	136,826
1974	10,126	9,437	10,556	10,590	10,530	11,049	11,294	11,193	10,442	10,216	9,019	8,872	123,324
1975	9,528	8,276	8,673	8,184	9,266	9,701	10,425	11,067	9,775	9,613	9,265	9,615	113,388
1976	9,455	9,177	10,320	10,476	11,655	10,678	10,967	11,211	10,548	9,579	9,942	10,560	124,568
1977	10,004	9,416	10,248	10,089	12,322	10,910	11,810	11,166	10,572	10,948	10,467	10,684	128,636
1978	10,102	9,476	11,192	10,549	11,243	11,024	10,775	10,886	11,379	10,918	10,716	11,266	129,526
1979	10,391	8,843	9,977	10,225	11,562	10,673	11,215	11,295	9,695	9,943	9,663	10,630	124,112
1980	10,493	10,233	10,612	10,038	10,061	10,037	10,186	10,022	9,432	9,282	9,717	10,732	120,845
1981	10,040	9,308	9,697	9,652	10,073	9,776	9,505	10,582	9,790	9,270	8,934	8,165	114,792
1982	7,305	6,436	7,894	7,887	8,701	8,804	9,324	8,707	9,266	7,993	7,769	8,442	98,528
1983	8,453	7,823	9,432	9,942	10,163	10,905	11,191	10,613	10,897	10,665	10,361	9,168	119,613
1984	9,902	10,133	11,723	11,532	12,183	12,077	12,381	12,007	10,362	10,385	10,132	9,883	132,700
1985	10,331	9,971	11,426	12,274	12,899	12,948	13,925	13,076	11,831	11,009	10,668	12,284	142,642
1986	13,086	11,266	11,323	11,594	13,159	12,572	14,186	13,894	13,121	12,861	12,555	12,695	152,312
1987	13,521	11,802	13,749	13,907	13,699	13,819	15,252	14,048	13,709	13,688	13,061	13,448	163,703
1988	14,218	13,517	15,234	14,716	15,364	15,206	16,708	17,020	15,875	15,953	14,140	14,660	182,611
1989	16,313	13,838	17,478	17,874	19,935	19,164	19,631	18,692	17,051	15,748	13,710	12,791	202,225

* Much LPG is produced at gas processing plants. These figures represent refinery production only.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Gulf Coast Refinery Margins



Source: Wright Killen & Co.

Gulf Coast Refinery Margins
Regional Average Cash Operating Margin
Dollars per barrel

1975	1976	1977	1978	1979	1980	1981	1982	1983
-0.47	0.26	0.60	0.43	1.47	1.55	0.30	1.05	-0.03

1984	1985	1986	1987	1988	1989
-0.72	0.16	0.03	-0.58	1.42	0.97

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
1980	1.24	2.36	2.18	0.42
1981	-0.96	0.48	0.86	0.81
1982	-0.70	0.94	2.39	1.55
1983	-1.13	0.40	0.75	-0.14
1984	-0.04	-0.20	-1.31	-1.34
1985	-0.81	0.36	-0.07	1.16
1986	-1.29	1.74	-0.03	-0.30
1987	-0.38	-0.56	-0.94	-0.45
1988	0.02	0.98	1.90	2.77
1989	0.75	1.51	0.29	1.42

	1984	1985	1986	1987	1988	1989
January	NA	-1.81	-1.74	0.32	-0.25	1.87
February	NA	-0.23	-1.66	-0.82	-0.04	0.33
March	NA	-0.40	-0.46	-0.65	0.35	0.06
April	-0.14	0.62	1.20	-0.87	1.27	1.76
May	-0.09	0.22	3.25	-0.36	1.00	1.78
June	-0.37	0.23	0.76	-0.44	0.68	0.98
July	-1.45	-0.11	-0.91	-0.48	2.45	-0.10
August	-1.76	-0.37	0.80	-0.93	2.29	-0.26
September	-0.73	0.27	0.03	-1.41	0.97	1.24
October	-0.94	1.02	-0.43	-0.39	2.12	1.21
November	-1.29	1.72	-0.15	-0.06	3.81	0.57
December	-1.78	0.74	-0.33	-0.89	2.37	2.47

Data from Oil & Gas Journal Energy Database.
Source: Wright Killen & Co.

Nelson Refinery Operating Index
(1956=100)

	1956	**1957**	**1958**	**1959**	**1960**	**1961**	**1962**	**1963**	**1964**	**1965**
Process Units Operating Index	100.0	107.7	105.8	106.0	107.2	106.4	102.5	100.6	100.5	105.2
Fuel Cost	100.0	115.1	102.1	103.5	109.9	106.7	100.9	104.4	102.8	106.1
Labor Cost	100.0	106.1	105.0	102.3	100.3	97.5	91.8	90.5	89.1	88.3
Wages & Benefits	100.0	104.1	105.4	111.5	113.0	119.2	121.1	129.1	132.8	138.8
Productivity	100.0	98.1	100.3	109.0	112.9	122.3	131.8	142.7	149.1	157.2
Investment, Maintenance, Etc.	100.0	105.4	109.5	113.7	116.9	119.2	121.7	115.2	114.5	116.0
Chemical Costs	100.0	102.2	104.4	107.8	114.3	103.2	96.7	95.6	99.0	119.3
Composite Operating Index	**100.0**	**106.7**	**105.8**	**106.8**	**108.8**	**106.7**	**102.9**	**100.8**	**100.2**	**104.6**

	1966	**1967**	**1968**	**1969**	**1970**	**1971**	**1972**	**1973**	**1974**	**1975**
Process Units Operating Index	100.3	101.2	101.3	102.5	117.6	133.3	147.0	168.0	222.5	258.5
Fuel Cost	105.6	104.7	103.8	107.1	129.2	166.4	166.8	186.8	310.5	376.3
Labor Cost	87.7	92.3	91.8	91.3	101.8	105.0	107.1	102.9	121.1	133.0
Wages & Benefits	145.4	152.4	158.0	171.3	183.1	194.9	210.0	221.2	243.9	273.9
Productivity	165.9	165.1	173.1	187.6	179.9	185.6	197.0	214.9	201.5	206.0
Investment, Maintenance, Etc.	103.2	103.6	103.6	104.3	115.7	115.7	162.3	193.0	215.8	246.5
Chemical Costs	130.9	128.6	124.3	125.9	127.4	120.1	112.2	117.3	153.2	186.7
Composite Operating Index	**102.8**	**104.1**	**103.5**	**104.3**	**113.0**	**117.4**	**118.5**	**125.7**	**159.7**	**189.3**

	1976	**1977**	**1978**	**1979**	**1980**	**1981**	**1982**	**1983**	**1984**	**1985**
Process Units Operating Index	267.1	287.8	297.0	374.4	457.5	562.2	557.2	565.5	584.2	551.7
Fuel Cost	384.5	430.5	422.4	605.7	810.5	1,016.0	931.1	913.8	968.3	878.9
Labor Cost	145.5	149.6	169.6	191.1	200.6	271.9	321.8	334.5	308.0	293.4
Wages & Benefits	314.3	346.2	388.6	424.8	439.9	512.8	574.7	621.9	629.9	642.3
Productivity	216.2	231.4	229.4	222.5	226.3	188.8	178.6	186.7	204.5	219.7
Investment, Maintenance, Etc.	256.2	263.6	280.7	300.2	324.8	357.2	385.0	415.3	436.6	445.8
Chemical Costs	195.2	184.4	191.8	216.6	229.2	237.7	234.1	231.3	233.4	222.9
Composite Operating Index	**209.3**	**228.2**	**243.2**	**278.3**	**312.7**	**373.3**	**396.6**	**412.9**	**417.4**	**406.8**

	1986	**1987**	**1988**	**1989**
Process Units Operating Index	430.8	435.6	405.3	429.1
Fuel Cost	548.8	554.1	445.2	503.0
Labor Cost	259.4	253.5	260.8	257.4
Wages & Benefits	651.8	663.2	689.8	709.3
Productivity	253.8	261.8	264.6	275.9
Investment, Maintenance, Etc.	460.0	473.2	489.3	502.5
Chemical Costs	206.7	192.8	213.9	230.4
Composite Operating Index	**369.0**	**371.8**	**373.7**	**384.9**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Nelson Refinery Operating Index
(1956=100)

	Process Units Operating	Fuel Cost	Labor Cost	Wages & Benefits	Productivity	Investment, Maintenance, Etc.	**Chemical Costs**	**Composite Operating Index**
January 1981	547.1	1,010.9	246.9	488.2	197.7	340.6	227.1	**355.1**
February	584.6	1,109.7	254.6	508.6	199.8	342.3	232.3	**368.1**
March	594.4	1,127.1	263.4	498.9	189.4	345.3	228.0	**374.0**
April	598.4	1,120.0	282.6	519.4	183.8	347.5	233.3	**382.1**
May	574.8	1,054.8	277.3	516.7	186.3	349.9	238.2	**375.1**
June	534.1	941.5	270.9	511.7	188.9	352.3	239.9	**364.3**
July	536.8	930.1	284.5	526.8	185.2	359.7	240.2	**371.7**
August	540.2	955.1	263.8	505.9	191.8	361.6	241.3	**367.1**
September	553.4	974.9	279.2	529.1	189.5	366.8	244.0	**377.2**
October	589.7	984.9	283.1	515.6	182.1	372.5	243.4	**382.0**
November	563.0	991.6	284.0	519.8	183.0	373.4	239.2	**383.1**
December	559.2	990.1	272.7	512.7	188.0	373.9	240.9	**378.9**
January 1982	565.9	980.2	304.6	548.9	180.2	375.7	240.3	**390.9**
February	563.2	967.7	309.0	540.2	174.8	376.7	240.5	**391.9**
March	558.2	947.6	312.2	547.9	175.5	379.7	239.6	**392.6**
April	557.8	933.4	326.3	564.1	172.9	380.5	237.9	**396.8**
May	566.2	951.2	327.9	579.4	176.7	385.4	237.7	**401.2**
June	545.4	906.5	315.7	590.0	186.9	381.3	234.2	**390.4**
July	540.6	894.1	308.4	578.9	187.7	386.0	232.8	**388.5**
August	539.9	875.7	323.6	581.8	179.8	389.4	232.8	**394.1**
September	548.2	895.3	327.7	594.1	181.3	390.0	232.6	**397.6**
October	561.4	934.6	325.6	576.0	176.9	390.4	230.4	**400.4**
November	580.4	976.5	338.6	600.0	177.2	391.5	226.5	**409.2**
December	559.1	910.9	342.8	595.1	173.6	392.9	223.9	**405.3**
January 1983	558.0	883.1	357.0	616.8	172.8	405.2	222.0	**413.4**
February	556.8	866.7	368.7	606.2	164.4	408.1	225.8	**418.0**
March	556.9	864.7	371.1	619.3	166.9	408.4	230.2	**419.3**
April	553.6	877.2	345.2	621.7	180.1	408.5	230.2	**410.6**
May	558.1	900.9	332.4	617.9	185.9	408.7	231.5	**408.1**
June	562.4	923.1	314.2	610.2	194.2	414.3	231.2	**405.6**
July	563.9	922.3	316.8	618.0	195.1	417.2	232.0	**407.8**
August	568.4	937.9	310.5	609.9	196.4	419.9	234.6	**408.3**
September	574.7	952.3	311.5	635.7	204.1	422.8	232.9	**411.1**
October	576.8	946.7	324.9	529.3	193.7	422.9	235.9	**416.0**
November	576.3	944.1	324.8	639.8	197.0	424.0	235.6	**416.2**
December	580.2	945.5	336.7	637.8	189.4	423.6	233.7	**420.5**
January 1984	593.5	970.3	342.7	643.2	187.7	431.7	240.2	**429.1**
February	592.2	994.8	308.9	626.8	202.9	432.4	233.9	**418.2**
March	585.5	968.7	315.9	631.5	199.9	433.3	238.2	**419.3**
April	587.4	972.5	317.4	639.5	201.5	433.7	237.6	**420.3**
May	582.9	972.4	301.0	622.8	206.9	434.9	236.3	**414.5**
June	584.3	977.6	297.6	620.3	208.4	436.6	237.8	**414.6**
July	585.2	974.0	304.1	619.5	203.7	437.2	235.2	**416.8**
August	575.6	949.9	297.3	622.9	209.5	439.9	230.3	**412.7**
September	579.8	958.5	300.5	637.9	212.3	440.6	228.6	**414.9**
October	582.1	963.5	303.3	632.6	206.8	439.7	227.8	**415.9**
November	581.3	958.0	307.0	639.7	208.1	439.8	227.5	**416.9**
December	580.3	959.4	302.0	622.7	206.2	439.6	227.1	**415.0**

Nelson Refinery Operating Index
(1956=100)

	Process Units Operating	Fuel Cost	Labor Cost	Wages & Benefits	Productivity	Investment, Maintenance, Etc.	Chemical Costs	Composite Operating Index
January 1985	586.2	954.2	321.8	641.3	199.3	444.8	231.9	424.7
February	589.3	969.8	313.2	634.3	202.5	445.4	233.8	423.3
March	583.5	953.8	313.0	632.2	202.0	445.0	230.5	421.3
April	575.6	933.2	310.7	658.3	310.7	445.1	231.5	418.7
May	548.9	871.1	292.4	621.7	212.6	446.5	225.6	406.3
June	535.3	832.2	292.4	638.3	218.3	446.6	227.2	403.0
July	534.3	837.8	282.7	631.0	223.2	446.4	215.4	398.6
August	533.1	833.8	284.0	627.4	220.9	445.9	217.5	398.7
September	553.6	888.3	288.4	660.6	229.1	446.2	216.6	405.4
October	525.4	832.3	259.7	615.5	237.0	446.1	216.4	389.4
November	524.2	816.9	274.7	651.7	237.0	445.4	214.2	393.1
December	526.5	823.6	273.1	662.3	242.5	446.5	214.0	393.6
January 1986	518.2	795.5	241.2	652.9	241.2	453.1	214.2	393.1
February	515.3	774.4	284.6	641.4	225.4	453.9	214.1	396.8
March	477.8	656.1	290.7	665.6	228.9	459.8	213.0	391.0
April	439.0	571.1	266.3	655.9	246.3	454.9	207.5	371.4
May	424.2	541.3	241.4	634.6	262.9	463.7	206.0	363.0
June	414.3	512.6	247.3	655.5	265.1	459.2	203.7	360.5
July	396.5	454.2	251.0	647.4	257.9	463.6	204.3	358.6
August	389.7	439.7	245.0	649.9	265.3	463.7	202.5	354.9
September	401.0	445.2	275.3	652.4	257.6	464.6	203.4	367.4
October	398.6	443.0	269.1	703.7	261.0	464.7	205.8	365.3
November	398.5	461.4	274.5	659.4	266.4	465.1	202.9	358.5
December	403.7	491.2	245.8	658.3	267.8	465.7	203.5	360.8
January 1987	412.9	493.2	256.3	675.9	263.7	466.8	180.6	363.4
February	427.8	543.3	246.9	653.3	264.6	467.3	182.2	364.7
March	433.5	538.1	272.0	667.0	245.2	467.2	185.3	374.0
April	438.6	563.7	259.4	664.8	256.5	467.2	191.1	372.0
May	431.4	542.9	257.7	660.4	256.3	468.9	197.1	370.8
June	442.8	583.8	245.7	651.5	265.1	470.7	197.7	370.8
July	450.6	599.8	250.6	678.5	270.7	472.7	196.4	374.9
August	448.7	600.9	239.6	645.3	269.3	475.6	194.1	371.9
September	441.7	570.2	249.7	666.8	267.1	477.9	195.5	374.0
October	440.8	560.7	254.2	654.6	257.5	480.9	197.2	376.4
November	439.1	553.3	256.2	669.5	261.3	481.7	197.6	376.9
December	419.6	499.2	253.9	671.0	264.3	481.9	199.0	371.4
January 1988	417.4	490.6	258.3	673.2	260.6	480.7	197.4	371.6
February	412.9	476.6	257.6	663.2	257.5	482.3	197.1	370.7
March	402.7	449.9	252.7	671.7	265.8	484.2	204.8	368.0
April	406.5	456.7	256.4	683.1	266.4	485.1	207.2	370.6
May	420.0	498.8	250.4	671.6	268.1	486.4	208.7	372.8
June	409.0	455.8	262.6	704.4	268.2	487.7	212.1	374.5
July	400.5	427.5	264.2	709.3	268.5	490.3	218.3	374.2
August	401.6	440.9	249.9	680.8	272.5	492.2	220.9	371.1
September	399.9	423.6	263.9	698.7	264.8	493.0	221.3	375.2
October	390.3	384.0	275.2	711.1	258.4	495.3	224.5	377.3
November	399.3	411.7	271.2	703.0	259.2	496.8	225.6	379.0
December	403.4	426.3	266.9	707.3	265.0	497.5	228.4	379.3

Nelson Refinery Operating Index
(1956=100)

	Process Units Operating	Fuel Cost	Labor Cost	Wages & Benefits	Productivity	Investment, Maintenance, Etc.	Chemical Costs	Composite Operating Index
January 1989	412.8	460.6	256.8	685.4	266.8	498.6	232.9	**379.4**
February	420.2	462.9	277.2	710.3	256.2	500.1	234.5	**388.1**
March	419.5	476.2	259.1	697.9	269.4	500.4	233.6	**382.5**
April	439.3	527.3	264.9	719.5	271.6	500.6	235.1	**389.6**
May	442.3	548.1	250.7	705.7	281.5	500.6	236.0	**386.1**
June	411.3	460.6	248.0	710.3	286.4	501.9	231.6	**377.4**
July	429.8	514.6	247.3	702.8	284.2	501.4	229.4	**381.6**
August	421.9	498.9	239.6	679.5	283.7	501.2	229.5	**377.1**
September	420.3	485.7	247.3	709.3	286.8	503.0	226.2	**379.4**
October	435.9	518.4	257.1	707.7	275.3	506.8	225.8	**387.7**
November	438.6	521.3	263.3	723.3	274.8	506.2	225.1	**390.0**
December	457.7	561.0	277.6	760.3	273.8	508.8	224.8	**400.1**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Nelson Refinery Construction Index
(1946=100)

	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Pumps, Compressors, Etc.	127.0	135.9	138.2	155.9	155.6	162.5	166.5	172.2	192.0	206.7	214.7
Electrical Machinery	127.6	130.9	134.9	154.3	152.4	156.4	160.0	162.5	175.0	188.9	192.7
Internal Combustion Engines	116.9	124.8	126.0	146.1	146.5	148.1	150.5	153.2	164.0	173.9	178.3
Instruments	120.0	122.0	127.8	142.3	146.2	151.8	154.6	162.9	182.1	187.4	194.9
Heat Exchangers	130.0	133.0	140.0	152.0	165.8	174.9	171.7	156.8	190.7	203.6	181.2
Miscellaneous Equipment Average	122.1	121.6	126.2	145.1	153.3	158.8	160.7	161.5	180.5	192.1	192.4
Materials Component	139.5	143.6	149.5	164.0	164.3	172.4	174.6	176.1	190.4	201.9	204.1
Labor Component	128.0	137.1	144.0	152.5	163.1	174.2	183.3	189.6	198.2	208.6	220.4
Composite Inflation Index	**132.5**	**139.7**	**146.2**	**157.2**	**163.6**	**173.5**	**179.8**	**184.2**	**195.3**	**205.9**	**213.9**

	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Pumps, Compressors, Etc.	226.5	228.3	228.8	222.5	224.3	231.5	245.6	260.5	272.2	284.5	300.4
Electrical Machinery	195.8	195.2	192.1	189.5	187.7	186.4	186.2	190.5	196.1	198.2	201.7
Internal Combustion Engines	178.5	180.7	181.1	183.4	181.5	184.9	186.4	188.7	192.0	198.9	205.7
Instruments	201.0	202.5	207.5	214.8	224.5	225.3	221.5	229.7	232.3	239.1	237.6
Heat Exchangers	178.9	194.6	188.1	183.6	189.1	206.1	218.4	235.2	237.9	223.4	237.6
Miscellaneous Equipment Average	196.1	200.0	199.5	198.8	201.4	206.8	211.6	226.1	228.8	228.8	239.3
Materials Component	207.8	207.6	207.7	205.9	206.3	209.6	212.0	216.3	219.7	224.1	234.9
Labor Component	231.6	241.9	249.4	258.8	268.4	280.5	294.4	310.9	331.3	357.4	391.8
Composite Inflation Index	**222.1**	**228.1**	**232.7**	**237.6**	**243.6**	**252.1**	**261.4**	**273.0**	**286.7**	**304.1**	**329.0**

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Pumps, Compressors, Etc.	313.1	330.6	337.5	346.9	416.3	509.8	538.6	575.0	619.5	673.9	777.3
Electrical Machinery	208.6	214.5	216.3	220.2	244.9	275.6	287.0	301.8	323.1	350.0	394.7
Internal Combustion Engines	217.0	226.1	233.3	238.3	270.2	319.8	348.3	376.9	412.7	453.8	512.6
Instruments	278.8	304.2	328.4	338.0	376.5	420.5	466.4	484.1	518.7	541.7	587.3
Heat Exchangers	253.8	268.0	274.3	313.7	501.3	553.9	478.5	454.0	496.0	557.4	618.7
Miscellaneous Equipment Average	254.3	268.7	278.0	291.4	361.8	415.9	423.8	438.3	474.1	515.4	578.1
Materials Component	250.5	265.2	277.8	292.3	371.3	421.0	445.2	471.3	516.7	573.1	629.2
Labor Component	441.1	499.9	545.6	585.2	623.6	678.5	729.4	774.1	824.1	879.0	951.9
Composite Inflation Index	**364.9**	**406.0**	**438.5**	**468.0**	**522.7**	**575.5**	**615.7**	**653.0**	**701.1**	**756.6**	**822.8**

	1981	1982	1983	1984	1985	1986	1987	1988	1989
Pumps, Compressors, Etc.	880.6	944.1	944.5	950.5	969.9	982.6	995.0	1,027.7	1,086.3
Electrical Machinery	431.4	453.8	469.0	486.5	497.0	504.6	511.3	519.8	533.1
Internal Combustion Engines	576.9	627.7	653.7	663.1	666.7	676.9	689.4	702.3	721.8
Instruments	623.4	652.5	675.2	696.8	713.7	733.3	744.2	748.8	770.3
Heat Exchangers	727.3	635.9	541.7	530.9	520.0	524.7	575.2	664.1	737.8
Miscellaneous Equipment Average	647.9	662.8	656.8	665.6	673.4	684.4	703.1	732.5	769.9
Materials Component	693.2	707.6	712.4	735.3	739.6	730.0	748.9	802.8	829.2
Labor Component	1,044.2	1,156.5	1,234.8	1,278.1	1,297.6	1,330.0	1,370.0	1,405.6	1,440.4
Composite Inflation Index	**903.8**	**976.9**	**1,025.8**	**1,061.0**	**1,074.4**	**1,089.9**	**1,121.5**	**1,164.5**	**1,195.9**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Nelson Refinery Construction Index
(1946=100)

	Pumps, Compressors Etc.	Electrical Machinery	Internal Combustion Engines	Instruments	Heat Exchangers	Miscellaneous Equipment Average	Materials Component	Labor Component	Composite Inflation Index
January 1981	837.0	415.2	547.2	594.2	710.1	620.7	667.8	996.4	**865.0**
February	851.5	418.6	548.6	594.2	724.0	627.4	670.5	996.4	**866.0**
March	857.7	423.1	557.4	653.6	737.7	645.9	683.1	1,000.5	**873.6**
April	859.6	426.8	567.2	661.8	745.6	652.2	691.5	1,004.3	**879.2**
May	870.2	427.2	567.2	667.3	733.0	653.0	691.9	1,014.2	**885.3**
June	877.9	429.2	570.1	595.0	718.5	638.1	686.9	1,027.8	**891.4**
July	887.7	433.1	579.7	602.9	722.7	645.2	699.9	1,050.0	**909.9**
August	894.2	436.6	586.2	604.0	723.2	648.8	702.1	1,056.7	**914.9**
September	898.0	439.1	599.1	633.9	740.7	662.2	708.0	1,074.7	**928.0**
October	898.5	440.9	599.3	618.2	742.7	660.0	707.3	1,099.2	**942.4**
November	913.5	442.9	601.2	625.7	713.3	659.3	705.3	1,004.4	**944.8**
December	920.9	444.6	599.3	630.5	716.9	662.4	706.1	1,105.7	**945.9**
January 1982	929.6	447.4	609.1	633.8	716.9	667.4	712.1	1,112.9	**952.6**
February	939.4	449.5	610.6	644.3	716.9	672.1	714.5	1,118.2	**956.7**
March	941.5	451.7	611.7	642.4	675.1	664.5	712.0	1,132.6	**964.4**
April	945.1	453.8	614.6	643.1	663.5	664.0	712.2	1,135.9	**966.4**
May	948.6	454.0	624.0	651.6	648.0	665.2	710.6	1,143.5	**970.3**
June	945.1	454.4	624.8	652.3	622.4	659.8	705.4	1,143.9	**968.5**
July	945.3	454.6	628.0	653.3	603.4	656.2	703.8	1,164.8	**980.4**
August	946.6	454.6	636.7	655.9	600.5	658.9	704.6	1,178.7	**989.1**
September	947.0	455.6	642.3	659.2	593.2	659.5	703.8	1,181.8	**990.6**
October	946.4	456.6	643.1	660.4	593.2	659.9	705.4	1,182.5	**991.7**
November	947.0	456.6	643.4	662.6	599.1	661.7	704.5	1,187.5	**994.3**
December	947.5	457.1	643.6	670.8	599.1	663.6	701.3	1,195.7	**998.0**
January 1983	951.3	459.1	644.0	664.0	581.5	656.0	699.2	1,201.8	**1,000.8**
February	950.8	462.1	644.4	664.4	562.8	656.9	707.9	1,208.2	**1,008.1**
March	946.4	462.7	650.7	668.5	557.4	657.1	709.8	1,208.2	**1,008.8**
April	946.4	465.0	653.8	666.7	549.0	656.2	710.0	1,208.2	**1,008.9**
May	945.3	465.8	658.2	670.2	543.2	656.5	709.5	1,209.3	**1,009.4**
June	945.3	466.8	657.6	672.5	532.1	654.9	708.4	1,233.2	**1,023.3**
July	946.2	471.9	655.3	678.0	530.7	656.4	710.1	1,244.1	**1,030.6**
August	939.6	472.7	656.1	678.4	529.3	655.2	711.9	1,254.0	**1,037.1**
September	941.0	474.4	653.4	684.2	528.9	656.4	718.2	1,261.8	**1,044.4**
October	939.1	474.5	654.8	681.8	528.6	655.8	718.7	1,261.8	**1,044.6**
November	939.9	475.6	658.0	682.1	528.3	656.8	720.8	1,265.0	**1,047.3**
December	942.4	477.6	658.2	691.1	529.1	695.7	723.4	1,261.5	**1,046.3**
January 1984	941.8	479.3	661.3	691.9	529.6	660.8	727.8	1,263.2	**1,049.0**
February	942.4	481.1	661.3	690.8	529.6	661.0	731.6	1,263.6	**1,050.8**
March	945.6	483.0	658.8	694.8	531.7	662.8	732.3	1,266.4	**1,052.9**
April	940.5	484.6	659.0	697.4	536.0	665.5	734.3	1,267.1	**1,054.0**
May	947.8	485.0	662.1	695.5	533.2	664.7	735.3	1,271.0	**1,056.7**
June	950.8	486.8	661.7	694.0	530.6	664.8	735.4	1,277.9	**1,060.9**
July	952.1	487.0	663.2	692.8	538.5	666.7	736.7	1,279.7	**1,062.5**
August	947.2	487.4	665.3	698.7	536.9	667.1	737.0	1,290.3	**1,069.0**
September	951.3	488.5	668.4	699.9	536.9	669.0	738.3	1,292.1	**1,070.6**
October	953.5	490.7	666.7	700.6	522.1	666.7	738.8	1,288.2	**1,068.4**
November	964.1	492.3	667.8	703.4	522.4	670.0	738.4	1,288.6	**1,068.6**
December	958.4	492.8	662.1	701.5	522.8	667.5	737.4	1,288.6	**1,068.2**

Nelson Refinery Construction Index
(1946=100)

	Pumps, Compressors Etc.	Electrical Machinery	Internal Combustion Engines	Instruments	Heat Exchangers	Miscellaneous Equipment Average	Materials Component	Labor Component	Composite Inflation Index
January 1985	961.1	494.2	664.0	704.2	523.6	669.4	738.0	1,294.2	1,072.0
February	960.9	495.8	665.7	707.0	523.8	670.6	739.6	1,296.0	1,073.5
March	968.2	496.4	665.7	706.7	523.1	672.0	741.0	1,293.5	1,072.5
April	967.1	497.5	668.0	708.9	523.3	673.0	741.2	1,293.5	1,072.6
May	967.4	497.5	667.8	708.4	525.2	672.7	740.1	1,300.0	1,076.0
June	969.0	497.3	667.8	712.3	525.2	674.3	739.4	1,300.8	1,076.3
July	969.8	496.4	666.9	714.1	522.6	674.0	738.6	1,300.8	1,075.9
August	971.5	496.4	666.9	714.4	522.6	674.4	739.9	1,297.6	1,074.6
September	972.6	497.5	669.2	721.7	514.7	675.1	739.9	1,298.8	1,075.3
October	975.0	497.5	666.1	719.9	514.7	674.6	739.8	1,298.5	1,075.0
November	978.3	498.3	666.1	721.0	510.4	674.8	738.5	1,296.9	1,073.5
December	978.3	499.1	666.7	725.2	510.2	675.9	738.7	1,301.0	1,076.0
January 1986	972.0	500.1	668.8	720.0	511.2	674.4	730.5	1,302.8	1,073.9
February	972.0	501.0	670.1	728.4	512.5	676.8	726.4	1,308.9	1,075.8
March	973.9	502.2	671.5	735.5	513.9	679.4	726.6	1,308.9	1,075.9
April	982.4	503.0	678.0	729.9	518.3	682.3	727.7	1,311.7	1,078.1
May	978.5	503.2	677.0	732.8	518.0	681.9	729.5	1,314.5	1,080.5
June	982.6	503.4	678.6	723.9	518.0	683.3	729.5	1,327.5	1,088.3
July	984.8	505.8	680.8	732.3	518.0	684.2	729.6	1,344.9	1,098.8
August	986.2	506.6	679.9	737.3	528.1	687.6	730.5	1,344.7	1,099.0
September	988.6	507.7	679.5	738.5	531.0	689.0	731.3	1,347.5	1,101.0
October	988.3	507.3	679.7	736.3	539.5	689.5	731.9	1,347.8	1,101.4
November	991.9	507.9	679.5	738.6	541.0	691.8	732.1	1,349.3	1,102.4
December	990.2	507.3	679.5	738.7	547.3	692.6	732.3	1,351.3	1,103.7
January 1987	992.1	508.7	679.7	740.5	547.7	693.7	736.3	1,352.8	1,106.2
February	991.3	509.5	692.6	741.7	552.4	697.5	738.4	1,353.4	1,107.5
March	992.7	509.3	689.9	742.8	557.1	698.4	737.4	1,353.8	1,107.3
April	993.8	509.7	689.5	743.3	557.1	698.7	736.9	1,354.5	1,107.5
May	993.8	509.7	689.3	746.4	562.8	700.4	739.1	1,358.8	1,110.9
June	995.4	508.5	689.3	739.5	562.8	699.1	741.1	1,365.4	1,115.6
July	998.4	512.0	689.9	757.4	577.1	707.6	744.4	1,371.0	1,120.3
August	993.8	513.0	691.3	741.9	587.1	705.4	746.3	1,380.9	1,127.1
September	994.1	511.8	688.4	742.1	587.1	704.5	752.1	1,386.9	1,132.7
October	995.1	513.4	690.3	742.1	597.2	707.7	768.1	1,387.0	1,139.4
November	998.7	514.2	691.5	744.1	602.2	710.1	772.8	1,387.6	1,141.7
December	1,000.3	515.2	691.5	749.5	611.8	713.7	774.1	1,387.6	1,142.2
January 1988	1,003.6	515.9	695.3	751.3	618.6	716.9	778.2	1,388.0	1,144.1
February	1,006.4	516.8	697.8	748.3	620.1	717.9	786.3	1,389.1	1,148.0
March	1,009.2	517.3	699.7	747.7	621.4	719.1	790.5	1,393.7	1,152.4
April	1,015.9	518.2	698.4	746.8	633.8	722.6	795.7	1,393.7	1,154.5
May	1,018.7	519.1	699.1	744.5	639.9	724.2	796.5	1,398.2	1,157.5
June	1,026.3	521.4	699.1	743.5	642.3	726.5	798.4	1,402.1	1,160.6
July	1,031.0	519.1	701.0	742.6	665.5	731.8	808.2	1,406.0	1,166.9
August	1,035.7	520.5	705.4	743.3	670.1	735.0	813.5	1,410.0	1,171.4
September	1,039.5	520.0	707.3	749.3	685.5	740.3	812.8	1,413.6	1,173.3
October	1,043.3	521.8	707.9	750.1	707.6	746.1	816.4	1,420.5	1,178.8
November	1,050.8	522.7	707.9	754.9	729.6	753.2	818.6	1,424.7	1,182.3
December	1,052.7	524.1	709.2	763.4	734.6	756.8	819.0	1,427.5	1,184.1

Nelson Refinery Construction Index
(1946=100)

	Pumps, Compressors Etc.	Electrical Machinery	Internal Combustion Engines	Instruments	Heat Exchangers	Miscellaneous Equipment Average	Materials Component	Labor Component	Composite Inflation Index
January 1989	1,065.0	527.7	711.1	753.9	730.7	757.7	825.7	1,427.5	1,186.8
February	1,069.7	528.6	710.4	756.4	729.9	759.0	831.9	1,429.0	1,190.1
March	1,073.5	529.5	711.1	756.8	740.8	762.3	832.6	1,430.0	1,191.1
April	1,079.2	530.5	713.6	763.5	741.7	765.7	833.7	1,430.0	1,191.5
May	1,083.0	531.4	715.5	760.7	740.4	766.2	833.7	1,430.0	1,191.5
June	1,087.7	532.7	715.5	767.3	737.9	768.2	832.4	1,436.0	1,194.5
July	1,090.5	534.1	724.3	770.4	730.0	769.9	829.5	1,436.0	1,193.4
August	1,094.3	535.4	727.4	773.1	730.0	772.1	828.1	1,436.0	1,192.8
September	1,095.2	535.0	731.2	778.2	744.1	776.8	827.9	1,443.5	1,197.2
October	1,100.0	536.4	733.7	781.9	744.1	779.2	827.4	1,458.6	1,206.2
November	1,099.0	537.3	734.4	787.7	739.8	779.6	824.1	1,458.6	1,204.8
December	1,099.0	539.1	733.1	793.1	744.1	781.7	823.2	1,469.5	1,210.9

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Crude Oil Refinery Runs
Thousands of barrels per calendar day

	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Africa	540	570	520	535	710	740	815	905	930	1,005	1,055	1,165
Australia & New Zealand	415	465	500	510	565	565	575	620	625	635	655	680
Canada	1,040	1,070	1,135	1,190	1,280	1,395	1,535	1,675	1,765	1,700	1,710	1,805
Japan	1,650	2,005	2,540	2,995	3,470	3,855	3,850	4,430	4,300	4,055	4,230	4,285
Latin America	4,030	4,170	4,350	4,590	4,905	5,295	5,445	5,970	5,890	5,515	5,670	5,715
Middle East	1,580	1,645	1,765	1,875	2,105	2,240	2,165	2,170	2,330	2,075	2,300	2,240
South Asia	300	370	420	505	525	545	540	590	550	485	550	605
Other Asia	610	635	890	920	1,020	1,265	1,385	1,705	1,560	1,545	1,865	2,030
United States	9,444	9,815	10,312	10,629	10,870	11,200	11,696	12,431	12,280	12,475	13,435	14,625
Western Europe	8,080	8,830	10,045	11,195	12,730	13,145	13,910	15,065	14,175	12,415	13,180	12,775
Total Non-Communist	27,689	29,575	32,477	34,944	38,180	40,245	41,916	45,561	44,405	41,905	44,650	45,925
Total Communist	5,270	5,655	6,115	6,705	7,335	7,845	8,555	9,365	10,185	11,025	11,575	11,930
Total World	**32,959**	**35,230**	**38,592**	**41,649**	**45,515**	**48,090**	**50,471**	**54,926**	**54,590**	**52,930**	**56,225**	**57,855**

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Africa	1,280	1,355	1,460	1,525	1,735	1,920	1,975	2,015	2,095	2,170	2,200	2,175
Australia & New Zealand	690	700	640	655	625	605	615	580	580	645	680	695
Canada	1,820	1,960	1,915	1,780	1,520	1,455	1,460	1,430	1,395	1,460	1,535	1,550
China	NA	NA	1,430	1,395	1,520	1,600	1,765	1,785	1,865	1,950	2,035	2,150
Japan	4,240	4,340	4,015	3,630	3,360	3,255	3,355	3,120	2,990	2,910	2,990	3,175
Latin America	5,975	6,220	6,585	6,700	6,205	5,955	5,845	5,585	5,615	5,665	5,590	5,825
Middle East	2,535	2,365	2,445	2,205	2,245	2,515	2,665	2,795	2,950	2,970	3,140	3,355
South Asia	645	675	705	795	840	880	885	1,020	1,120	1,150	1,160	1,215
Other Asia	2,330	2,450	2,400	2,510	2,365	2,410	2,485	2,685	2,800	2,785	2,915	3,090
United States	14,780	14,465	13,520	12,470	11,775	11,685	12,045	12,005	12,715	12,855	13,445	13,555
USSR & Eastern Europe	NA	NA	11,735	12,620	12,720	12,710	12,470	12,185	12,440	12,455	12,485	12,370
Western Europe	12,855	13,665	12,330	10,970	10,075	9,710	9,790	9,490	10,060	9,960	10,310	10,340
Total Non-Communist	47,150	48,195	45,860	43,085	40,590	40,230	40,960	40,555	42,150	42,395	43,790	44,705
Total Communist	12,857	13,230	13,320	14,170	14,395	14,470	14,395	14,140	14,475	14,580	14,695	14,790
Total World	**60,025**	**61,425**	**59,180**	**57,255**	**54,985**	**54,700**	**55,355**	**54,695**	**56,625**	**56,975**	**58,485**	**59,495**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Worldwide Refinery Utilization Rate
Percent

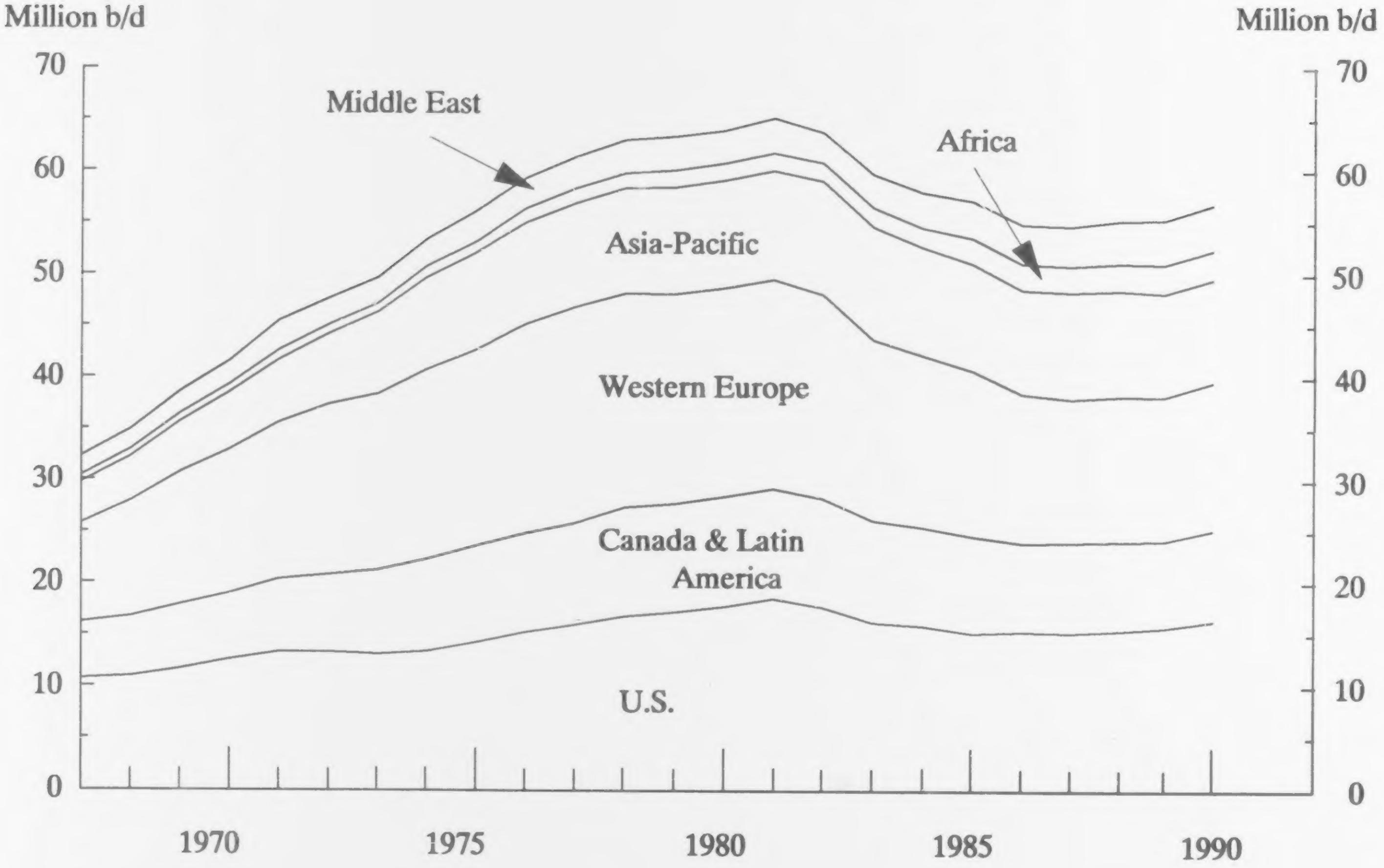
	1973	1974	1975	1976	1977	1978	1979
Africa	84.6	75.0	79.1	76.4	77.4	74.0	67.8
Australia & New Zealand	83.8	83.9	83.6	86.2	89.5	87.9	87.5
Canada	89.3	87.8	81.7	77.9	81.3	77.8	84.7
Japan	92.0	85.3	77.8	80.0	81.1	80.2	82.1
Latin America	87.5	79.8	74.5	73.0	71.1	73.1	72.1
Middle East	85.9	87.4	75.5	78.0	69.0	75.1	66.8
South Asia	90.1	75.9	66.0	74.8	77.1	78.2	81.8
South East Asia	66.1	58.5	56.7	65.8	64.8	72.2	72.4
United States	86.6	82.1	81.9	81.9	86.3	85.1	80.7
Western Europe	81.3	73.6	60.9	63.5	63.3	63.2	68.0
Total Non-Communist	84.4	78.3	71.6	73.1	73.9	74.3	74.4
Total Communist	88.8	88.9	87.2	86.5	86.6	88.2	86.9
Total World	**85.1**	**80.1**	**74.3**	**75.5**	**76.2**	**76.9**	**76.8**

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Africa	70.9	74.9	73.7	82.1	77.8	78.9	82.2	82.5	78.3	76.7
Australia & New Zealand	79.0	80.4	76.7	74.2	78.3	82.3	78.4	88.4	91.3	93.3
Canada	89.1	82.6	67.3	71.9	72.5	68.9	67.1	71.2	81.2	82.2
China	75.3	77.1	76.0	78.0	82.1	83.0	85.9	87.4	87.0	87.0
Japan	70.7	64.0	61.1	65.4	67.4	62.7	63.5	63.7	68.5	75.6
Latin America	73.2	73.9	69.8	70.3	72.2	75.2	74.9	74.8	73.8	73.7
Middle East	68.6	67.8	63.0	70.6	75.8	73.4	76.6	71.3	71.9	83.8
South Asia	81.0	89.8	84.4	86.3	88.9	88.7	91.4	88.8	90.3	92.7
Other Asia	69.3	71.4	67.3	64.1	63.1	69.8	72.1	73.6	77.1	78.8
United States	74.1	68.2	69.8	73.7	76.9	77.7	82.2	82.6	84.4	86.4
USSR & Eastern Europe	87.5	86.9	86.4	84.9	83.3	81.4	81.2	81.1	80.8	78.7
Western Europe	61.5	55.8	56.9	58.4	64.0	64.7	70.2	70.2	73.6	75.4
Total Non-Communist	69.8	66.1	65.2	67.9	71.1	71.8	75.1	75.2	77.4	80.0
Total Communist	86.0	85.7	85.0	84.0	83.1	81.7	81.9	82.0	81.7	79.9
Total World	**72.9**	**70.1**	**69.4**	**71.5**	**73.9**	**74.1**	**76.7**	**76.9**	**78.5**	**80.0**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Non-Communist Refining Capacity

At January 1



Source: OGJ

Worldwide Refining Capacity
By Continent
Estimated at January 1
Thousands of barrels per day

	1954	1955	1956	1957	1958	1959	1960
United States	8,090.3	8,437.3	8,643.5	9,391.0	9,570.0	9,955.0	10,250.0
Canada	514.6	587.4	608.7	751.0	795.0	872.0	920.0
Latin America	1,870.6	1,971.4	2,160.4	2,327.7	2,559.4	2,720.1	2,755.4
Western Hemisphere	**10,475.5**	**10,996.1**	**11,412.6**	**12,469.7**	**12,924.4**	**13,547.1**	**13,925.4**
Asia-Pacific	459.8	613.7	731.0	876.0	1,088.5	1,229.6	1,374.6
Western Europe	2,078.9	2,323.6	2,390.6	2,770.1	2,909.8	3,612.6	3,974.3
Middle East	1,159.7	1,184.3	1,279.7	1,242.6	1,260.6	1,432.8	1,434.8
Africa	72.4	68.4	72.4	93.4	98.4	100.1	116.5
Eastern Hemisphere	**3,770.8**	**4,190.0**	**4,473.7**	**4,982.1**	**5,357.3**	**6,375.1**	**6,900.2**
Total Non-Communist	**14,246.3**	**15,186.1**	**15,886.3**	**17,451.8**	**18,281.7**	**19,922.2**	**20,825.6**

	1961	1962	1963	1964	1965	1966
United States	10,400.0	10,573.4	10,491.0	10,620.0	10,750.0	10,800.0
Canada	1,002.3	1,015.7	1,065.7	1,100.5	1,100.0	1,150.0
Latin America	3,098.8	3,340.3	3,534.6	3,641.0	3,834.9	4,107.9
Western Hemisphere	**14,501.1**	**14,929.4**	**15,091.3**	**15,361.5**	**15,684.9**	**16,057.9**
Asia-Pacific	1,431.7	1,913.0	2,129.8	2,537.0	3,176.6	3,516.7
Western Europe	4,457.9	4,900.5	5,221.3	6,330.5	7,577.4	8,603.7
Middle East	1,481.8	1,507.1	1,652.5	1,701.7	1,701.8	1,792.2
Africa	122.5	140.3	196.8	365.2	502.9	613.3
Eastern Hemisphere	**7,493.9**	**8,460.9**	**9,200.4**	**10,934.4**	**12,958.7**	**14,525.9**
Total Non-Communist	**21,995.0**	**23,390.3**	**24,291.7**	**26,295.9**	**28,643.6**	**30,583.8**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
United States	**10,721.6**	**10,952.5**	**11,658.0**	**12,600.0**	**13,293.0**	**13,284.9**	**13,087.0**	**13,383.0**	**14,216.3**	**15,230.0**
Canada	**1,174.3**	**1,206.6**	**1,305.7**	**1,400.0**	**1,450.0**	**1,444.5**	**1,725.0**	**1,788.1**	**1,877.6**	**2,023.6**
Argentina	435.5	434.1	445.8	457.2	456.2	629.6	601.6	623.6	720.7	683.8
Bahamas	NA	NA	NA	NA	250.0	250.0	250.0	500.0	500.0	500.0
Brazil	370.4	379.9	462.4	501.6	504.6	564.0	718.3	791.8	961.8	986.3
Chile	91.0	91.0	90.0	91.0	111.0	136.0	123.5	123.5	123.5	149.2
Colombia	129.3	129.3	138.9	137.4	137.6	173.7	172.1	166.1	172.1	171.5
Ecuador	11.5	20.4	37.0	33.0	35.3	36.3	35.5	35.2	44.4	43.9
Mexico	394.0	517.5	575.5	494.5	574.2	592.0	624.5	625.0	760.0	760.0
Netherlands Antilles	795.0	795.0	795.0	840.0	790.0	838.9	880.0	945.0	900.0	849.0
Panama	55.0	55.0	70.0	78.0	75.0	75.0	75.0	75.0	100.0	100.0
Peru	63.6	90.0	103.6	91.5	91.5	105.6	101.5	106.8	129.6	129.7
Puerto Rico	155.0	155.0	155.0	155.0	140.0	151.0	291.0	307.8	283.8	283.8
Trinidad & Tobago	390.0	407.0	417.0	430.0	438.0	464.2	441.0	461.0	461.0	461.0
Venezuela	1,194.2	1,280.8	1,340.5	1,313.4	1,526.1	1,375.9	1,499.0	1,531.6	1,531.7	1,450.8
Virgin Islands	50.0	70.0	100.0	220.0	250.0	440.0	418.0	590.0	590.0	728.0
Other Latin America	149.1	158.5	160.8	176.9	206.1	214.8	219.8	261.3	258.0	270.5
Latin America	**4,283.6**	**4,583.5**	**4,891.5**	**5,019.5**	**5,585.6**	**6,047.0**	**6,450.8**	**7,143.7**	**7,536.6**	**7,567.5**
Western Hemisphere	**16,179.5**	**16,742.6**	**17,855.2**	**19,019.5**	**20,328.6**	**20,776.4**	**21,262.8**	**22,314.8**	**23,630.4**	**24,821.1**
Australia	508.3	535.0	580.5	594.0	640.0	699.0	632.7	680.9	722.2	707.1
India	346.5	337.2	386.2	446.2	429.3	437.3	489.1	499.1	555.1	564.1
Indonesia	268.2	268.2	268.2	268.2	251.2	420.0	424.0	427.7	427.7	427.7
Japan	2,211.1	2,388.9	2,692.2	3,139.7	3,698.8	3,816.1	4,525.6	5,151.8	5,345.8	5,629.1
Korea, South	50.0	55.0	115.0	180.0	250.0	220.0	430.0	420.0	425.0	435.0
Malaysia	NA	NA	NA	NA	NA	NA	NA	NA	NA	123.0
New Zealand	67.0	63.0	63.0	66.0	66.0	68.0	54.0	54.0	54.0	54.0
Pakistan	76.0	105.0	115.1	106.8	115.1	117.1	80.5	80.5	79.2	74.2
Philippines	121.0	171.0	180.0	182.0	205.0	221.0	276.3	283.8	274.0	247.0
Singapore	NA	NA	NA	NA	NA	299.3	390.2	699.6	845.7	922.7
Sri Lanka	NA	NA	NA	44.0	30.0	43.0	37.4	38.0	34.4	38.0
Taiwan	52.0	63.1	129.1	119.0	118.0	220.0	199.0	210.0	244.1	334.5
Thailand	46.2	46.2	62.2	62.2	96.2	86.2	155.8	166.2	166.2	166.2
Other Asia-Pacific	209.4	291.3	328.3	357.8	166.3	170.7	221.1	221.1	224.0	145.8
Asia-Pacific	**3,955.7**	**4,323.9**	**4,919.8**	**5,565.9**	**6,065.9**	**6,817.7**	**7,915.7**	**8,932.7**	**9,397.4**	**9,868.3**
Algeria	46.0	46.5	46.5	48.3	48.3	48.3	60.7	115.3	115.3	122.4
Egypt	189.0	169.0	175.0	175.0	175.0	210.0	98.5	180.0	18.0	180.0
Ivory Coast	19.0	19.0	19.0	19.0	19.0	22.8	24.4	44.2	42.9	40.0
Kenya	44.0	44.0	44.0	44.0	50.5	51.0	48.0	48.0	48.0	86.0
Libya	11.4	9.0	9.5	9.5	9.5	9.5	17.4	16.4	76.4	76.4
Morocco	34.0	33.5	35.0	35.0	35.0	37.0	58.6	58.5	58.6	67.8
Nigeria	42.0	35.0	40.0	46.0	55.0	55.0	60.0	60.0	60.0	57.0
South Africa	153.2	163.9	165.9	184.4	262.9	251.3	242.6	331.0	397.1	433.8
Other Africa	165.9	200.2	221.2	223.7	269.6	217.5	214.9	252.3	267.0	264.8
Africa	**704.5**	**720.1**	**756.1**	**784.9**	**924.8**	**902.4**	**825.1**	**1,105.7**	**1,083.3**	**1,328.2**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Austria	97.0	97.1	97.1	94.1	159.5	155.0	220.5	220.0	220.0	280.0
Belgium	346.6	526.6	628.6	668.6	704.0	835.6	831.6	816.7	866.7	946.3
Cyprus	NA	NA	NA	NA	NA	NA	12.0	15.0	15.0	15.0
Denmark	116.9	131.9	167.9	186.0	196.0	227.5	221.8	226.5	220.0	226.0
Finland	111.0	111.0	176.5	173.5	173.0	168.0	186.0	196.0	196.0	336.0
France	1,704.5	1,835.3	2,154.8	2,316.8	2,533.8	2,691.6	2,949.3	3,140.0	3,341.6	3,311.6
Germany, West	1,794.1	2,167.5	2,351.4	2,358.6	2,541.8	2,563.8	2,697.7	2,825.7	2,986.7	3,103.1
Greece	94.0	95.6	95.0	102.0	102.0	110.0	124.5	313.6	411.0	420.0
Ireland	48.0	52.0	54.0	55.0	55.0	55.0	58.0	58.0	56.0	56.0
Italy	2,038.0	2,389.3	2,886.8	2,962.6	3,235.3	3,682.1	3,593.1	3,882.0	3,952.7	4,082.2
Netherlands	667.4	787.4	872.4	1,362.4	1,392.5	1,643.8	1,825.5	1,825.5	1,840.7	1,984.7
Norway	63.0	103.0	113.0	123.0	202.0	167.4	173.0	168.0	168.0	259.0
Portugal	37.0	37.0	37.0	37.0	84.0	84.0	79.8	110.0	110.0	190.0
Spain	429.9	519.8	678.4	685.4	846.0	866.0	1,025.7	1,163.0	1,165.0	1,322.5
Sweden	80.0	220.0	244.0	230.0	236.0	259.1	243.6	248.0	248.0	413.2
Switzerland	95.0	100.0	100.0	106.0	102.0	107.6	120.0	140.0	138.0	138.0
Turkey	124.0	134.0	133.0	149.0	290.0	291.9	286.0	305.5	315.5	315.5
United Kingdom	1,736.5	1,844.0	2,071.4	2,301.4	2,392.3	2,588.3	2,464.6	2,762.1	2,783.0	2,888.8
Western Europe	**9,582.9**	**11,151.5**	**12,861.3**	**13,911.4**	**15,245.2**	**16,496.7**	**17,112.7**	**18,415.6**	**19,033.9**	**20,287.8**
Abu Dhabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bahrain	205.0	205.0	205.0	205.0	216.0	215.8	250.0	250.0	250.0	250.0
Iran	514.0	554.2	632.0	644.8	632.8	653.0	620.0	660.0	789.0	780.0
Iraq	77.9	77.9	82.9	103.5	102.9	101.5	98.5	98.5	168.5	168.5
Israel	100.0	115.0	115.0	107.0	132.0	140.0	147.4	212.0	201.0	181.0
Jordan	7.5	7.5	7.5	7.4	15.6	11.0	14.8	14.1	21.2	21.2
Kuwait	360.0	360.0	489.0	489.0	504.0	644.0	647.0	646.0	646.0	684.8
Qatar	0.6	0.6	0.6	0.7	0.9	0.6	0.7	1.0	6.8	7.1
Saudi Arabia	285.0	285.0	315.0	377.0	906.0	507.0	428.3	428.3	610.3	537.2
South Yemen	175.0	175.0	178.0	178.0	178.0	178.0	160.2	162.0	169.1	169.1
Syria	25.0	22.0	22.0	59.0	59.0	54.0	51.3	51.3	49.7	116.7
Other Middle East	86.2	116.5	116.5	117.5	134.5	54.5	53.5	53.5	53.5	53.5
Middle East	**1,836.2**	**1,918.7**	**2,163.5**	**2,288.9**	**2,881.7**	**2,559.4**	**2,471.7**	**2,576.7**	**2,965.1**	**2,969.5**
Eastern Hemisphere	**16,079.3**	**18,114.2**	**20,700.7**	**22,551.1**	**25,117.6**	**26,776.2**	**28,325.2**	**31,030.7**	**32,479.6**	**34,453.8**
Total Non-Communist	**32,258.8**	**34,856.8**	**38,555.9**	**41,570.6**	**45,446.2**	**47,552.6**	**49,588.0**	**53,345.5**	**56,110.1**	**59,274.9**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**15,930.0**	**16,760.0**	**17,150.0**	**17,719.9**	**18,465.4**	**17,669.4**	**16,157.2**	**15,862.9**	**15,136.3**	**15,258.2**
Canada	**2,100.0**	**2,165.0**	**2,225.0**	**2,222.1**	**2,168.3**	**2,095.6**	**2,084.9**	**1,806.6**	**1,868.5**	**1,855.8**
Argentina	703.1	655.2	655.0	676.2	678.6	676.7	675.7	678.4	678.4	667.2
Bahamas	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	350.0	NA
Brazil	1,117.6	1,161.0	1,209.2	1,205.0	1,401.6	1,406.6	1,219.0	1,301.4	1,305.1	1,305.1
Chile	139.5	129.5	144.0	139.2	139.2	141.0	141.0	141.0	141.0	141.0
Colombia	165.0	165.0	173.5	193.5	198.5	198.5	213.5	211.0	211.0	211.0
Ecuador	40.9	96.3	92.8	86.1	87.1	90.2	78.9	83.6	82.3	87.6
Mexico	935.0	1,383.5	1,243.5	1,393.5	1,393.5	1,470.0	1,289.0	1,269.0	1,269.0	1,269.0
Netherlands Antilles	810.0	842.0	842.0	792.0	782.0	782.0	782.0	740.0	740.0	320.0
Panama	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Peru	115.9	170.7	170.1	170.1	168.9	161.6	168.5	168.6	175.6	175.6
Puerto Rico	283.8	284.0	284.0	283.8	284.0	284.0	123.0	121.0	121.0	121.0
Trinidad & Tobago	461.0	461.0	461.0	456.0	456.0	456.0	375.0	375.0	320.0	260.0
Venezuela	1,446.3	1,445.5	1,445.5	1,445.5	1,348.8	1,323.1	1,283.7	1,224.2	1,224.2	1,229.7
Virgin Islands	728.0	782.0	728.0	728.0	728.0	640.0	600.0	600.0	545.0	600.0
Other Latin America	247.1	251.7	290.3	292.7	284.7	290.4	304.6	271.2	271.6	270.7
Latin America	**7,793.2**	**8,427.4**	**8,338.9**	**8,461.6**	**8,550.9**	**8,520.1**	**7,853.8**	**7,784.4**	**7,534.2**	**6,757.9**
Western Hemisphere	**25,823.2**	**27,352.4**	**27,713.9**	**28,403.6**	**29,184.6**	**28,285.1**	**26,095.8**	**25,453.8**	**24,539.0**	**23,871.9**
Australia	706.1	708.5	708.1	724.6	743.1	741.6	715.6	722.1	696.9	622.6
India	567.5	563.5	625.8	556.8	556.8	556.8	752.7	778.7	704.8	866.7
Indonesia	427.7	527.7	527.7	527.7	445.2	498.2	341.3	387.0	630.5	635.8
Japan	5,732.3	5,670.7	5,675.6	5,707.5	5,662.0	5,809.1	5,731.4	5,173.4	4,966.0	4,723.4
Korea, South	424.3	475.0	542.0	601.2	606.7	754.5	754.5	775.9	776.0	782.0
Malaysia	168.0	168.0	140.0	172.0	177.0	175.0	175.0	205.0	205.0	212.3
New Zealand	54.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	53.0	53.0
Pakistan	73.9	105.7	110.1	98.0	122.0	133.1	133.1	126.5	128.8	130.0
Philippines	251.0	253.0	253.3	253.3	246.3	286.0	286.0	286.0	286.0	216.0
Singapore	917.7	917.7	917.7	920.8	1,068.8	1,096.0	1,096.0	1,101.0	1,072.0	1,018.0
Sri Lanka	38.0	38.0	38.0	38.0	50.0	50.0	50.0	50.0	50.0	50.0
Taiwan	425.4	425.4	425.4	425.4	515.4	515.4	515.4	515.4	542.5	542.5
Thailand	160.7	160.7	160.7	186.0	186.0	176.0	176.0	176.0	171.6	191.9
Other Asia-Pacific	101.5	89.0	86.7	101.1	101.4	101.2	101.2	102.2	110.6	67.5
Asia-Pacific	**10,048.0**	**10,176.9**	**10,285.0**	**10,386.4**	**10,554.7**	**10,966.8**	**10,902.2**	**10,473.1**	**10,393.6**	**10,111.7**
Algeria	122.4	122.4	122.4	122.4	122.4	122.4	137.4	137.4	464.7	464.7
Egypt	236.0	234.0	251.0	234.0	292.0	292.0	340.7	369.3	369.3	434.2
Ivory Coast	40.5	39.0	39.0	50.4	50.4	50.4	90.1	90.1	90.1	90.0
Kenya	86.0	95.0	95.0	95.0	95.0	79.0	79.0	79.0	95.0	95.0
Libya	134.6	134.6	137.1	137.6	142.0	129.5	129.5	125.0	329.8	329.8
Morocco	67.8	72.0	72.0	72.0	72.0	72.0	74.0	74.0	79.7	81.3
Nigeria	60.0	60.0	159.0	160.0	160.0	253.5	260.0	247.0	250.4	250.4
South Africa	433.5	445.8	478.0	478.5	468.5	423.5	423.5	388.5	388.5	388.5
Other Africa	263.6	264.4	314.1	316.2	295.4	339.6	348.0	369.7	389.7	396.6
Africa	**1,444.4**	**1,467.2**	**1,667.6**	**1,666.1**	**1,697.7**	**1,761.9**	**1,882.1**	**1,880.0**	**2,457.2**	**2,530.4**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Austria	280.0	280.0	280.0	280.0	280.0	244.0	268.5	268.0	273.0	204.0
Belgium	1,095.3	1,067.3	971.9	1,064.0	1,055.9	1,034.5	692.6	694.1	692.5	652.1
Cyprus	15.0	15.0	15.0	16.0	16.0	16.0	15.5	15.0	16.0	16.0
Denmark	226.0	220.0	215.0	214.0	215.0	215.0	215.0	174.0	176.0	166.0
Finland	336.0	336.0	336.0	336.0	336.0	299.0	299.0	299.0	299.0	241.0
France	3,517.1	3,455.6	3,468.6	3,384.9	3,341.5	3,291.0	2,871.0	2,670.4	2,386.0	1,946.9
Germany, West	3,075.5	3,081.4	3,103.0	2,985.7	3,021.2	2,937.3	2,471.3	2,386.3	2,171.6	1,932.8
Greece	407.0	407.0	411.0	431.0	428.0	427.0	422.0	368.7	390.0	390.0
Ireland	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
Italy	4,259.1	4,226.2	4,196.9	4,131.3	4,091.9	4,002.6	3,283.4	3,050.1	3,095.2	2,738.1
Netherlands	2,030.7	1,868.7	1,857.3	1,827.5	1,827.0	1,707.5	1,551.5	1,551.5	1,498.5	1,468.4
Norway	259.0	264.0	264.0	264.0	252.7	242.7	242.7	242.7	244.2	240.0
Portugal	190.0	415.0	360.8	378.4	341.0	364.9	364.9	281.9	289.9	295.6
Spain	1,277.5	1,270.6	1,424.9	1,455.9	1,463.8	1,517.4	1,522.0	1,493.0	1,493.0	1,367.0
Sweden	434.5	423.9	410.9	457.9	450.9	470.8	452.8	452.8	439.0	429.0
Switzerland	137.3	137.3	137.3	137.3	102.3	137.3	137.3	137.0	127.0	137.0
Turkey	325.5	325.7	338.0	335.7	355.7	367.4	467.4	472.5	460.5	460.5
United Kingdom	3,014.3	2,911.0	2,526.8	2,527.5	2,629.5	2,481.5	2,259.5	2,091.5	2,007.7	1,791.7
Western Europe	**20,935.7**	**20,760.6**	**20,373.3**	**20,283.0**	**20,264.5**	**19,811.9**	**17,592.4**	**16,704.4**	**16,115.1**	**14,532.0**
Abu Dhabi	15.0	15.0	15.0	13.5	13.5	128.3	135.0	185.3	185.3	185.3
Bahrain	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
Iran	780.5	910.5	920.5	920.5	1,120.5	530.0	530.0	530.0	530.0	530.0
Iraq	168.5	168.5	168.5	168.5	168.5	168.5	168.5	168.5	318.5	318.5
Israel	201.0	201.0	195.0	195.0	190.0	190.0	190.0	190.0	170.0	170.0
Jordan	24.4	29.6	30.3	20.7	36.2	91.3	100.0	100.0	100.0	100.0
Kuwait	684.8	712.0	712.0	645.0	645.0	623.0	623.0	622.8	668.6	633.6
Qatar	9.2	9.8	10.5	10.8	12.8	13.3	11.8	63.2	56.1	56.1
Saudi Arabia	603.2	586.1	487.3	487.3	487.3	487.3	705.0	860.0	840.0	1,115.0
South Yemen	169.1	142.9	142.9	175.0	175.0	178.0	178.0	130.0	178.0	161.5
Syria	116.7	102.4	223.0	223.0	223.0	223.0	228.8	228.8	228.8	228.8
Other Middle East	0.0	53.0	53.0	53.0	52.0	52.0	97.9	100.1	67.0	65.1
Middle East	**3,022.4**	**3,180.8**	**3,208.0**	**3,162.4**	**3,373.9**	**2,934.8**	**3,217.9**	**3,428.6**	**3,592.2**	**3,813.8**
Eastern Hemisphere	**35,450.4**	**35,585.4**	**35,534.0**	**35,497.9**	**35,890.8**	**35,475.4**	**33,594.6**	**32,486.1**	**32,558.0**	**30,987.8**
Total Non-Communist	**61,273.6**	**62,937.7**	**63,247.9**	**63,901.5**	**65,075.4**	**63,760.5**	**59,690.5**	**57,940.0**	**57,097.0**	**54,859.7**
China	1,398.0	1,461.0	1,578.0	1,600.0	1,810.0	1,810.0	2,000.0	2,050.0	2,150.0	2,150.0
U.S.S.R.	9,100.0	9,979.0	10,478.0	10,950.0	11,400.0	11,600.0	11,750.0	12,000.0	12,200.0	12,200.0
Other Communist	2,569.8	2,498.0	2,692.0	2,796.0	2,826.5	3,123.0	3,123.0	3,150.0	3,150.0	3,150.0
Total Communist	**13,067.8**	**13,938.0**	**14,748.0**	**15,346.0**	**16,036.5**	**16,533.0**	**16,873.0**	**17,200.0**	**17,500.0**	**17,500.0**
Total World	**74,341.4**	**76,875.7**	**77,995.9**	**79,247.5**	**81,111.9**	**80,293.5**	**76,563.5**	**75,140.0**	**74,597.0**	**72,359.7**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1987	1988	1989	1990
United States	**15,258.2**	**15,288.3**	**15,556.7**	**16,243.8**
Canada	**1,759.7**	**1,868.9**	**1,855.8**	**1,851.8**
Argentina	669.8	689.5	690.4	688.7
Bahamas	NA	NA	NA	NA
Brazil	1,321.1	1,407.3	1,407.3	1,397.1
Chile	150.5	141.0	146.8	146.8
Colombia	226.0	226.0	227.4	227.4
Ecuador	87.6	122.0	123.3	145.0
Mexico	1,349.0	1,354.0	1,354.0	1,514.0
Netherlands Antilles	320.0	320.0	320.0	320.0
Panama	100.0	100.0	100.0	100.0
Peru	175.6	182.0	172.4	172.4
Puerto Rico	121.0	123.0	123.0	123.0
Trinidad & Tobago	300.0	300.0	300.0	300.0
Venezuela	1,224.7	1,201.1	1,201.1	1,201.1
Virgin Islands	600.0	545.0	545.0	545.0
Other Latin America	271.8	276.9	272.7	273.4
Latin America	**6,917.0**	**6,987.8**	**6,983.4**	**7,153.9**
Western Hemisphere	**23,934.9**	**24,145.0**	**24,395.9**	**25,249.6**
Australia	626.1	637.1	644.1	675.0
India	991.1	1,058.7	1,051.4	1,079.8
Indonesia	635.8	714.2	714.2	714.2
Japan	4,790.1	4,566.9	4,362.8	4,198.5
Korea, South	862.0	820.0	880.0	867.0
Malaysia	212.3	212.3	209.3	209.3
New Zealand	54.0	81.7	88.4	95.1
Pakistan	130.0	130.1	130.1	120.9
Philippines	286.0	286.0	254.0	283.8
Singapore	961.0	858.0	852.0	830.0
Sri Lanka	50.0	50.0	50.0	50.0
Taiwan	542.5	600.0	570.0	570.0
Thailand	191.9	191.9	191.0	214.9
Other Asia-Pacific	67.5	67.5	67.5	73.2
Asia-Pacific	**10,400.2**	**10,274.3**	**10,064.8**	**9,981.7**
Algeria	464.7	464.7	464.7	464.7
Egypt	452.1	452.1	489.2	489.2
Ivory Coast	73.0	60.0	60.0	69.0
Kenya	95.0	90.0	90.0	95.0
Libya	329.4	329.4	329.4	329.4
Morocco	81.3	154.6	154.6	154.6
Nigeria	250.4	270.0	414.5	433.3
South Africa	388.5	433.5	433.5	433.5
Other Africa	389.2	375.9	351.1	354.0
Africa	**2,523.6**	**2,630.3**	**2,787.0**	**2,822.7**

Worldwide Refining Capacity
By Country
Estimated at January 1
Thousands of barrels per day

	1987	1988	1989	1990
Austria	204.0	204.0	204.0	204.0
Belgium	647.5	630.5	630.5	613.5
Cyprus	16.0	16.0	17.1	18.0
Denmark	166.0	177.0	176.5	186.5
Finland	241.0	241.0	241.0	241.0
France	1,834.1	1,940.6	1,876.0	1,819.9
Germany, West	1,719.8	1,647.8	1,518.2	1,507.2
Greece	384.5	384.5	384.5	384.5
Ireland	56.0	56.0	56.0	56.0
Italy	2,678.7	2,563.1	2,450.2	2,803.6
Netherlands	1,400.8	1,381.0	1,380.7	1,380.7
Norway	240.0	240.0	239.4	295.0
Portugal	294.3	294.3	313.3	313.3
Spain	1,305.0	1,305.0	1,285.0	1,293.0
Sweden	436.5	436.5	426.5	427.5
Switzerland	65.0	132.0	132.0	132.0
Turkey	460.5	675.6	724.7	724.7
United Kingdom	1,779.7	1,802.7	1,803.1	1,831.1
Western Europe	13,929.3	14,127.6	13,858.6	14,231.5
Abu Dhabi	185.3	180.0	180.0	180.0
Bahrain	250.0	250.0	243.0	243.0
Iran	530.0	530.0	530.0	530.0
Iraq	318.5	318.5	318.5	318.5
Israel	180.0	180.0	180.0	180.0
Jordan	100.0	100.0	100.0	100.0
Kuwait	618.0	628.0	817.0	819.0
Qatar	62.0	62.0	62.0	62.0
Saudi Arabia	1,125.0	1,375.0	1,375.0	1,484.0
South Yemen	170.0	170.0	161.5	161.5
Syria	228.8	228.8	243.7	243.7
Other Middle East	95.1	123.9	123.9	123.9
Middle East	3,862.6	4,146.2	4,334.7	4,445.6
Eastern Hemisphere	30,715.8	31,178.4	31,045.1	31,481.5
Total Non-Communist	54,650.7	55,323.4	55,441.0	56,731.1
China	2,200.0	2,200.0	2,200.0	2,200.0
U.S.S.R.	12,260.0	12,260.0	12,300.0	12,300.0
Other Communist	3,150.0	3,150.0	3,298.1	3,298.1
Total Communist	17,610.0	17,610.0	17,798.1	17,798.1
Total World	72,260.7	72,933.4	73,239.1	74,529.2

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Volume of Refined Products
Produced at OPEC Refineries
Thousands of barrels per day

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Algeria	40.9	41.7	42.6	47.9	45.2	53.4	100.9	89.9	113.2	100.4	88.5
Ecuador	16.7	20.1	21.2	23.8	26.5	27.8	31.0	35.4	39.8	42.0	39.4
Gabon	1.4	13.4	13.9	16.7	18.6	17.8	20.2	17.3	17.0	27.2	34.2
Indonesia	175.3	178.9	198.4	200.8	217.8	270.4	292.0	307.2	304.1	306.6	421.3
Iran	413.7	460.8	492.4	509.6	527.9	524.4	554.7	592.3	644.2	651.9	724.9
Iraq	54.8	62.8	64.8	77.7	75.3	92.2	82.2	106.3	135.5	154.7	166.4
Kuwait	250.5	343.8	311.7	404.3	452.1	366.4	371.5	332.1	289.6	360.7	351.0
Libya	5.2	6.8	7.9	8.7	7.7	8.6	8.4	7.6	37.6	51.0	94.2
Nigeria	11.6	0.3	1.0	19.4	40.8	43.6	56.7	53.8	46.7	55.5	48.2
Qatar	0.4	0.6	0.4	0.7	0.5	0.6	0.7	0.5	3.7	5.4	6.5
Saudi Arabia	366.1	442.8	465.6	617.3	600.6	599.2	644.3	648.2	577.6	697.0	680.5
United Arab Emirates	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.1	11.0
Venezuela	1,164.2	1,185.9	1,155.6	1,290.1	1,239.9	1,127.5	1,302.5	1,196.0	832.9	958.4	947.7
Total OPEC	**2,500.8**	**2,757.9**	**2,775.5**	**3,217.0**	**3,252.9**	**3,131.9**	**3,465.1**	**3,386.6**	**3,041.9**	**3,416.9**	**3,613.8**

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Algeria	141.1	153.0	217.4	283.7	400.2	386.8	407.9	390.0	433.0	431.0	440.0
Ecuador	79.6	85.3	90.3	86.7	89.9	73.3	90.7	83.6	95.3	78.9	112.2
Gabon	33.5	27.1	23.1	24.9	26.9	17.1	11.7	12.3	9.9	8.4	11.9
Indonesia	436.9	509.7	526.9	530.8	534.0	526.1	499.3	501.4	550.0	568.7	607.5
Iran	670.0	661.0	582.3	626.6	658.7	624.0	618.0	647.0	558.4	519.9	548.5
Iraq	182.6	183.0	187.0	190.0	190.5	292.0	340.0	344.0	346.4	366.9	396.3
Kuwait	373.3	439.8	336.5	276.3	420.0	468.4	478.9	566.3	599.0	619.0	653.1
Libya	113.6	98.4	108.6	111.3	121.6	126.4	128.5	143.9	182.1	220.3	255.6
Nigeria	60.2	89.0	120.9	151.9	162.1	151.2	160.2	135.2	136.0	135.2	137.5
Qatar	6.2	9.4	7.7	7.8	7.4	8.4	14.2	23.2	29.0	33.1	38.8
Saudi Arabia	720.4	746.8	736.9	758.8	804.8	877.2	917.6	1,115.6	1,333.5	1,386.8	1,521.3
United Arab Emirates	10.8	11.3	11.8	54.8	84.0	108.6	142.2	148.5	166.0	171.8	178.7
Venezuela	964.4	978.6	903.9	839.8	850.7	833.7	839.7	892.4	895.8	931.4	923.7
Total OPEC	**3,792.6**	**3,992.4**	**3,853.3**	**3,943.4**	**4,350.8**	**4,493.2**	**4,648.9**	**5,003.4**	**5,334.4**	**5,371.4**	**5,825.1**

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

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U.S. Crude Oil Stocks
(Excluding SPR* Stocks)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	269,806	266,864	267,246	271,445	284,320	279,337	273,235	272,417	269,771	265,899	265,552	259,648	**259,648**
1972	251,012	252,945	258,902	266,636	279,490	271,381	265,843	257,976	250,802	253,748	251,306	246,395	**246,395**
1973	237,469	235,362	244,131	248,783	257,867	248,857	243,673	248,314	241,276	246,297	249,998	242,478	**242,478**
1974	233,035	240,723	244,665	256,385	269,455	268,765	268,686	264,840	266,726	269,437	271,144	265,020	**265,020**
1975	270,462	276,755	279,989	281,908	280,961	276,132	264,157	256,616	259,446	269,584	270,950	271,354	**271,354**
1976	289,296	277,414	283,112	286,628	283,982	281,715	282,599	277,272	284,357	297,683	298,836	285,471	**285,471**
1977	294,116	291,462	299,533	318,872	328,755	333,746	335,313	338,865	334,133	340,549	345,197	340,228	**340,228**
1978	341,371	335,890	345,482	343,363	329,101	333,340	332,909	316,866	321,172	325,081	322,045	309,421	**309,421**
1979	302,059	302,374	316,690	319,075	316,322	325,860	312,946	320,965	323,939	344,854	347,415	339,074	**339,074**
1980	357,500	365,965	367,420	379,788	383,420	381,472	378,742	387,223	376,388	378,503	373,077	358,166	**358,166**
1981	373,955	378,161	392,954	397,497	393,718	384,736	385,852	362,001	355,982	364,023	365,995	363,464	**363,464**
1982	370,962	371,762	360,709	354,819	348,464	344,130	345,681	352,869	340,675	350,969	357,550	349,730	**349,730**
1983	359,835	363,265	355,003	361,150	352,521	350,530	335,131	348,702	346,659	348,919	341,434	343,850	**343,850**
1984	348,660	340,160	336,390	345,593	358,995	352,858	347,917	334,616	325,207	342,971	343,839	345,376	**345,376**
1985	336,127	321,509	329,624	341,908	356,630	344,058	326,977	318,474	317,365	313,687	320,943	320,892	**320,892**
1986	331,677	331,724	340,900	337,791	328,640	326,654	341,798	332,713	337,799	343,892	339,084	331,224	**331,224**
1987	333,029	331,858	332,451	328,957	324,703	327,598	323,750	323,468	337,164	355,894	363,637	348,995	**348,995**
1988	345,583	348,021	354,003	357,377	359,665	358,858	349,490	333,564	328,560	339,588	337,014	330,359	**330,359**
1989	333,912	332,847	326,570	339,596	345,614	331,262	333,194	340,979	334,888	336,010	351,006	341,291	**341,291**

* Strategic Petroleum Reserve

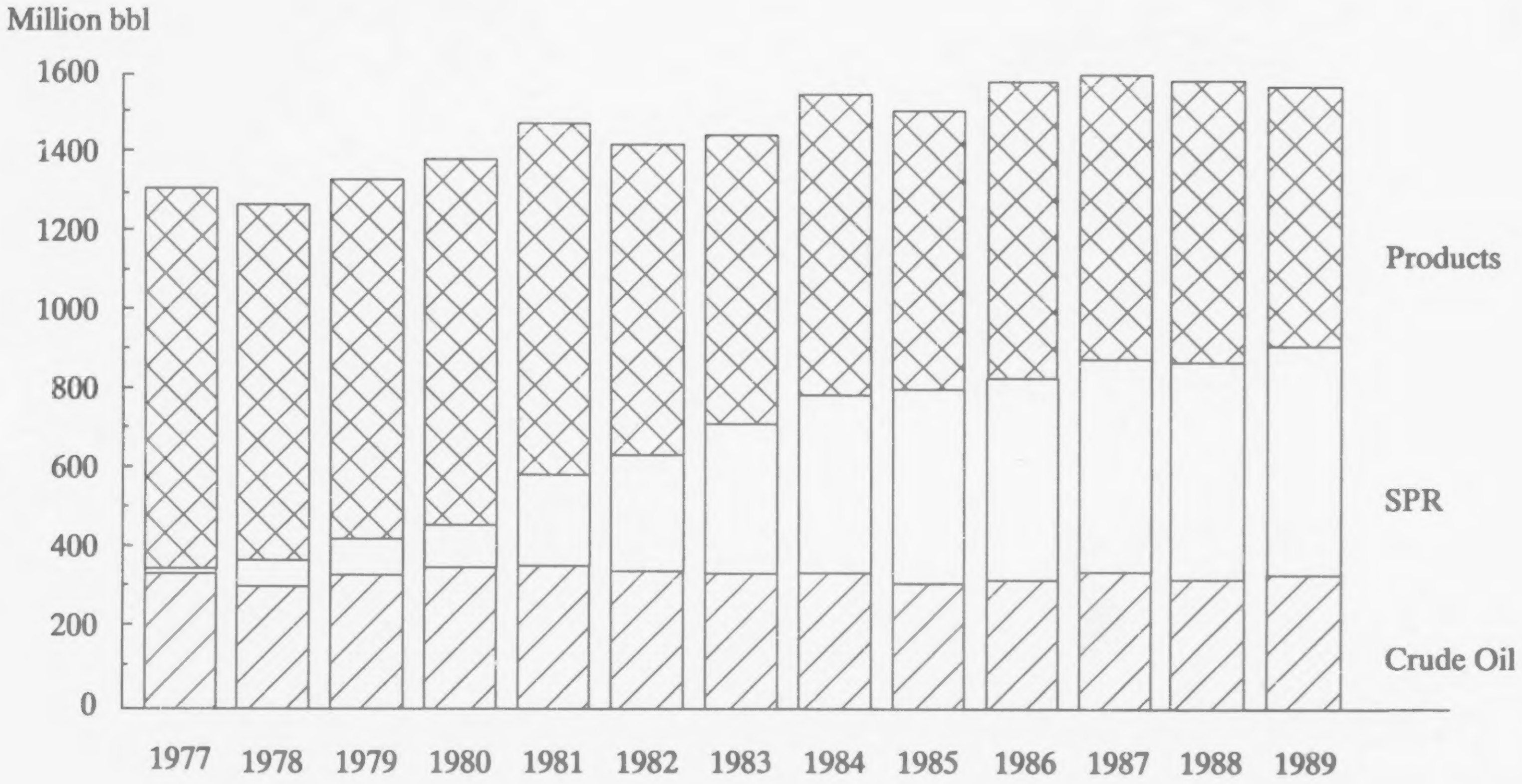
Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Crude Oil Stocks in the Strategic Petroleum Reserve
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1977										2,646	5,084	7,455	**7,455**
1978	11,106	14,276	18,437	21,825	25,629	30,140	35,248	40,968	47,090	53,113	59,312	66,860	**66,860**
1979	73,142	78,166	82,501	83,867	86,880	88,567	90,101	91,189	91,189	91,191	91,191	91,191	**91,191**
1980	91,191	91,191	91,191	91,191	91,191	91,131	91,191	91,191	92,824	96,645	102,320	107,800	**107,800**
1981	112,490	116,057	120,860	134,170	150,068	163,081	173,128	184,674	199,247	214,777	222,542	230,341	**230,341**
1982	235,271	241,241	248,537	255,534	260,994	264,141	267,154	273,593	277,884	284,592	289,963	293,827	**293,827**
1983	300,613	306,133	311,830	317,735	326,833	332,484	340,672	351,780	361,000	367,240	371,291	379,089	**379,089**
1984	384,449	387,238	391,794	396,881	404,478	413,735	423,904	429,467	431,069	436,839	443,046	450,505	**450,505**
1985	457,409	460,138	461,617	464,940	471,930	476,571	483,538	487,126	489,255	489,881	491,464	493,316	**493,316**
1986	494,392	495,381	496,892	498 781	499,877	501,787	503,400	504,974	506,385	507,514	509,471	511,565	**511,565**
1987	514,910	516,709	519,987	521,983	525,129	527,187	530,012	531,978	533,890	535,652	538,547	540,648	**540,648**
1988	542,720	544,146	544,938	547,258	547,949	550,056	551,344	552,145	554,659	556,001	558,673	559,515	**559,515**
1989	561,519	563,888	566,224	568,009	570,403	571,724	574,388	575,373	577,131	578,271	579,490	579,857	**579,857**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Stocks of Crude and Products



Source: EIA

Total U.S. Refined Product Stocks
(Including Unfinished Oils)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	710,621	676,976	667,159	674,273	701,645	724,185	762,737	793,254	813,717	831,531	809,652	784,299	**784,299**
1972	762,922	711,158	683,398	679,998	704,943	720,251	757,555	767,331	795,386	796,874	762,613	712,584	**712,584**
1973	668,242	630,943	643,031	664,517	675,832	709,154	742,625	748,641	774,365	791,143	773,240	765,829	**765,829**
1974	742,028	706,448	708,430	726,201	760,580	791,432	818,761	836,121	847,109	836,245	832,202	808,626	**808,626**
1975	828,682	809,459	796,371	775,253	788,435	795,018	822,193	850,299	887,892	886,541	908,695	861,601	**861,601**
1976	799,324	792,822	777,377	770,407	789,240	811,835	851,795	880,438	907,183	906,172	881,984	826,339	**826,339**
1977	770,796	759,029	787,275	802,314	842,631	861,526	903,824	930,547	969,552	993,254	996,033	964,217	**964,217**
1978	916,057	841,142	803,891	808,880	821,991	821,644	854,251	863,558	894,670	901,295	910,238	901,338	**901,338**
1979	855,764	770,909	743,236	763,496	774,764	795,320	851,978	870,649	893,674	893,593	900,750	910,597	**910,597**
1980	902,478	886,164	889,231	896,092	912,203	938,273	955,501	970,174	977,835	954,518	957,037	926,262	**926,262**
1981	901,328	894,325	887,395	882,959	894,568	882,376	879,542	910,508	920,744	905,963	912,942	889,843	**889,843**
1982	849,618	815,171	782,701	735,197	737,231	751,902	780,624	782,004	795,405	796,857	807,690	786,367	**786,367**
1983	792,032	760,861	704,745	695,496	714,161	722,443	750,631	759,043	777,675	791,370	796,830	730,698	**730,698**
1984	696,140	735,982	716,102	719,270	732,724	735,988	741,235	733,427	756,505	764,116	769,437	760,346	**760,346**
1985	718,475	680,753	668,273	666,591	678,950	690,421	705,787	688,185	695,824	691,965	710,990	704,561	**704,561**
1986	709,244	686,721	650,766	642,921	677,305	714,452	727,534	744,610	773,791	759,042	763,465	749,723	**749,723**
1987	738,074	714,803	704,252	688,307	691,914	693,175	704,714	727,559	734,651	718,431	732,764	717,808	**717,808**
1988	708,691	683,527	660,326	673,663	706,166	702,895	728,285	737,810	745,174	734,836	735,588	707,358	**707,358**
1989	724,811	704,275	675,644	688,042	706,587	704,678	741,319	738,080	755,389	743,681	732,661	660,271	**660,271**

Data from Oil & Gas Journal Energy Database
Source: Bureau of Mines, Energy Information Administration

Total Motor Gasoline Stocks
(Including Blending Components)
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	232,079	245,310	245,659	230,349	221,714	209,595	203,010	204,225	207,885	208,525	208,959	219,352	**219,352**
1972	239,912	250,236	237,177	225,552	215,089	200,353	200,975	192,967	199,927	207,915	209,032	212,894	**212,894**
1973	221,954	216,484	207,732	204,877	202,201	208,466	211,572	205,189	210,359	214,610	207,418	209,478	**209,478**
1974	217,542	219,105	220,347	223,805	218,711	217,421	218,889	219,004	227,070	220,797	218,444	218,410	**218,410**
1975	242,340	251,974	248,749	232,619	213,997	207,155	212,504	215,512	226,478	221,532	232,139	234,978	**234,978**
1976	240,510	248,901	239,097	224,008	225,079	225,408	226,961	230,614	229,793	226,355	227,787	231,432	**231,432**
1977	252,655	255,558	262,164	258,877	262,545	256,489	258,230	256,941	255,895	255,251	258,584	257,623	**257,623**
1978	272,097	270,868	259,597	248,925	233,534	219,484	216,399	208,999	216,524	213,692	220,542	237,979	**237,979**
1979	257,021	252,592	240,111	236,711	228,569	231,125	241,608	232,827	229,662	218,178	220,578	237,200	**237,200**
1980	262,274	274,543	282,832	271,971	263,201	264,957	260,877	259,135	258,304	246,517	257,289	261,406	**261,406**
1981	276,411	284,349	285,312	272,279	258,369	241,617	227,718	233,382	237,109	236,099	248,446	253,001	**253,001**
1982	260,894	256,708	246,574	221,288	213,941	218,504	225,875	226,926	233,628	234,399	230,063	235,431	**235,431**
1983	249,759	250,288	223,073	220,705	223,178	222,572	230,548	226,296	229,098	227,399	235,861	222,434	**222,434**
1984	225,695	237,104	242,633	247,990	252,634	245,523	238,101	224,363	234,146	232,418	240,136	243,296	**243,296**
1985	233,663	224,884	218,816	214,979	214,875	218,344	226,471	221,583	223,098	213,853	217,013	222,839	**222,839**
1986	238,330	243,530	218,756	207,454	220,502	230,480	224,028	221,586	233,945	222,356	229,370	233,057	**233,057**
1987	251,111	250,082	248,050	241,750	234,908	230,421	226,353	226,459	229,648	218,022	225,190	226,183	**226,183**
1988	240,268	241,358	231,743	226,700	226,108	210,088	215,273	220,097	221,346	217,690	221,235	228,403	**228,403**
1989	248,574	247,540	230,340	227,147	223,219	216,353	228,903	220,676	226,691	222,456	223,609	213,441	**213,441**

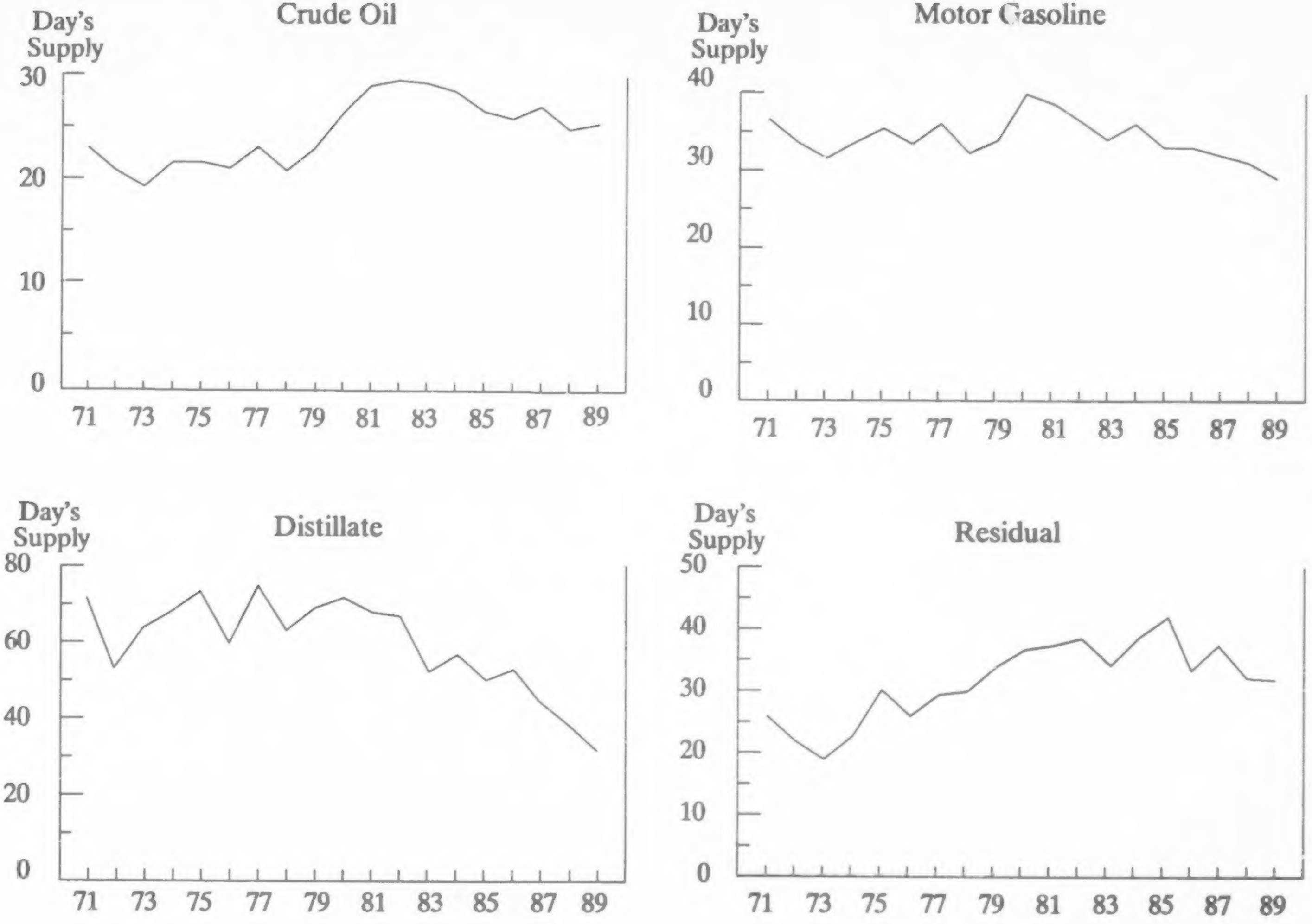
Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Motor Gasoline Stocks
By Type, Total U.S.
Thousands of barrels

		January	February	March	April	May	June	July	August	September	October	November	December	Annual
1981:	Leaded	127,058	129,713	133,277	127,433	113,926	101,195	97,954	98,341	97,504	98,084	103,973	108,085	**108,085**
	Unleaded	99,457	100,107	99,069	95,839	98,673	92,734	87,662	90,213	93,148	92,365	96,617	95,325	**95,325**
1982:	Leaded	111,145	106,930	101,838	89,973	88,002	90,002	92,941	93,151	93,453	94,990	95,643	98,169	**98,169**
	Unleaded	102,076	101,438	96,216	88,554	85,066	87,100	89,687	91,973	97,613	97,372	93,686	96,259	**96,259**
1983:	Leaded	105,657	104,008	90,779	90,901	93,417	95,123	97,958	95,416	94,631	93,722	96,430	94,092	**94,092**
	Unleaded	101,555	102,523	91,944	91,900	91,959	87,741	91,888	89,426	94,685	93,370	99,592	91,411	**91,411**
1984:	Leaded	92,285	96,488	97,749	100,775	100,968	96,683	91,825	85,381	87,516	84,007	88,421	92,305	**92,305**
	Unleaded	93,261	100,163	104,371	106,366	109,436	107,460	107,911	100,486	106,586	109,032	110,117	112,887	**112,887**
1985:	Leaded	88,700	82,457	80,821	77,450	75,451	85,134	80,013	79,134	76,131	71,516	74,525	81,439	**81,439**
	Unleaded	109,658	106,733	104,819	104,358	105,629	101,114	112,052	108,988	111,318	108,636	108,735	108,869	**108,869**
1986:	Leaded	80,846	79,319	70,903	65,802	70,907	74,147	72,695	69,387	69,909	64,755	67,188	68,231	**68,231**
	Unleaded	120,221	126,110	113,107	108,056	116,906	121,623	117,216	117,950	126,084	119,691	123,263	126,011	**126,011**
1987:	Leaded	70,710	68,658	65,074	59,409	57,551	55,646	54,720	53,836	55,025	51,609	53,504	53,117	**53,117**
	Unleaded	139,893	137,906	139,896	141,580	138,360	136,923	134,158	134,151	136,165	130,224	134,565	135,694	**135,694**
1988:	Leaded	53,924	51,516	48,761	47,084	44,862	42,689	44,567	44,514	41,909	38,685	38,175	40,159	**40,159**
	Unleaded	146,874	151,469	145,640	143,051	143,955	132,175	134,875	138,991	140,762	141,676	145,736	149,693	**149,693**
1989:	Leaded	41,275	39,140	32,022	29,041	26,459	24,886	24,802	22,335	20,647	18,789	18,754	17,681	**17,681**
	Unleaded	164,439	164,604	157,113	159,433	156,977	153,142	165,308	159,716	164,932	163,796	166,262	159,372	**159,372**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Day's Supply



Source: EIA

Total Jet Naphtha Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	6,910	7,040	6,917	6,606	6,692	6,934	7,202	6,681	6,645	6,795	7,005	6,990	**6,990**
1972	6,658	6,339	6,966	6,471	6,093	5,889	5,844	6,517	6,149	5,933	5,647	6,147	**6,147**
1973	5,953	5,486	5,899	5,209	5,055	4,603	4,280	4,268	4,652	4,242	4,939	5,599	**5,599**
1974	5,828	6,069	6,711	6,837	6,701	6,677	6,436	5,742	5,779	5,606	5,883	5,529	**5,529**
1975	5,548	5,415	6,155	5,777	5,484	5,253	5,578	5,654	5,797	5,864	5,812	5,222	**5,222**
1976	6,143	6,151	5,724	5,765	6,671	5,365	6,079	6,333	5,910	6,991	6,809	6,495	**6,495**
1977	6,748	6,389	6,047	5,464	5,543	5,746	6,176	5,907	5,259	6,384	6,129	6,285	**6,285**
1978	6,430	5,669	5,770	6,214	6,336	6,017	6,391	6,273	6,012	5,346	5,670	5,958	**5,958**
1979	6,217	5,639	5,264	5,570	5,752	5,090	5,067	4,647	4,693	5,195	4,911	5,599	**5,599**
1980	5,585	6,211	5,873	5,911	5,613	5,935	6,676	6,691	6,642	6,442	6,396	6,308	**6,308**
1981	6,122	5,857	5,754	5,544	5,682	6,047	6,034	6,879	6,097	6,593	6,734	7,054	**7,054**
1982	6,814	6,070	6,427	6,305	6,539	6,048	6,366	5,955	6,319	6,355	6,094	5,667	**5,667**
1983	6,956	6,706	6,870	6,412	6,657	6,907	7,060	6,377	6,596	6,027	6,405	6,265	**6,265**
1984	6,344	6,148	6,734	6,719	6,578	6,909	6,858	7,060	7,014	6,467	6,523	6,861	**6,861**
1985	6,415	6,183	6,767	6,205	6,428	6,227	6,977	6,982	6,857	6,738	6,793	6,654	**6,654**
1986	6,534	6,264	5,795	6,712	6,513	6,581	6,099	6,609	6,700	6,764	6,901	7,072	**7,072**
1987	7,631	7,141	7,031	7,183	8,078	7,262	7,253	6,981	6,506	7,097	7,043	7,956	**7,956**
1988	7,572	6,086	6,639	6,276	6,853	6,741	6,749	6,893	6,503	6,316	6,436	6,051	**6,051**
1989	6,626	6,383	6,118	6,079	6,176	6,200	6,625	6,012	6,818	6,316	6,829	6,380	**6,380**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Kerosine Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	20,680	19,992	20,214	20,658	21,822	21,819	21,645	21,015	21,437	20,364	20,934	20,747	**20,747**
1972	19,199	18,891	20,181	21,097	22,792	22,467	23,585	25,132	24,448	22,700	21,003	19,346	**19,346**
1973	18,861	19,951	21,686	22,672	20,770	20,844	21,381	20,583	20,497	21,335	23,600	22,945	**22,945**
1974	23,904	23,548	23,285	24,888	25,623	25,523	25,235	25,247	24,407	24,958	23,733	23,906	**23,906**
1975	24,773	23,718	24,301	24,486	25,235	24,084	24,220	25,449	25,494	24,546	23,165	25,158	**25,158**
1976	24,475	25,029	26,895	27,567	27,993	27,514	26,653	26,788	27,294	27,041	27,050	25,590	**25,590**
1977	23,408	24,017	24,674	26,873	28,083	28,949	28,839	28,059	28,874	28,435	29,257	28,263	**28,263**
1978	28,105	27,628	26,180	28,417	32,036	31,637	31,659	29,374	29,316	27,758	27,159	27,707	**27,707**
1979	25,897	24,836	27,003	30,011	31,946	30,211	28,996	29,289	27,727	29,725	31,250	32,921	**32,921**
1980	32,827	32,047	32,801	33,428	35,733	36,348	34,228	33,640	35,536	36,670	37,508	35,723	**35,723**
1981	33,348	32,703	33,270	34,874	38,787	38,823	38,770	37,854	37,046	36,059	35,261	34,011	**34,011**
1982	30,044	30,878	36,094	37,756	35,203	33,885	33,415	34,707	33,327	34,495	34,516	31,180	**31,180**
1983	33,758	32,651	34,685	33,897	34,485	34,205	33,726	33,620	34,852	37,182	39,212	32,346	**32,346**
1984	29,234	32,929	33,917	34,056	34,488	36,089	36,780	38,526	37,989	38,214	38,401	35,118	**35,118**
1985	34,691	35,302	36,865	35,041	35,924	36,537	36,037	34,681	35,187	35,558	36,408	33,825	**33,825**
1986	35,051	37,829	41,729	38,831	38,807	39,703	42,481	41,884	42,233	43,853	43,237	42,677	**42,677**
1987	42,116	41,154	41,044	39,977	39,277	38,677	39,479	40,762	43,684	42,740	43,937	41,973	**41,973**
1988	37,976	36,738	39,527	39,020	39,210	38,811	40,148	39,746	40,060	40,755	39,668	37,723	**37,723**
1989	37,787	36,917	37,125	38,101	39,243	38,408	40,783	42,271	41,079	43,885	44,398	34,471	**34,471**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Kerosine Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	23,921	19,662	19,231	19,539	21,610	23,602	26,392	28,030	27,806	28,218	26,765	24,438	**24,438**
1972	21,339	17,408	15,693	16,363	17,132	18,640	21,481	22,060	22,917	21,956	21,351	19,111	**19,111**
1973	16,038	14,612	16,404	18,088	19,148	20,160	20,477	21,590	22,105	23,549	21,203	21,022	**21,022**
1974	17,486	15,609	15,001	14,873	16,579	17,315	17,195	17,086	17,079	16,999	16,707	15,269	**15,269**
1975	16,466	15,348	15,170	15,255	16,512	15,351	16,038	17,153	17,775	17,772	18,237	15,571	**15,571**
1976	11,906	11,379	11,744	11,748	12,914	13,051	13,403	14,951	15,178	15,626	14,404	12,514	**12,514**
1977	10,531	11,722	13,620	14,149	15,051	16,771	18,458	19,552	20,505	19,911	20,514	18,056	**18,056**
1978	14,402	11,611	11,883	12,905	13,564	14,893	16,067	16,723	16,110	15,804	15,518	14,330	**14,330**
1979	11,414	9,758	10,371	11,110	12,126	12,941	14,299	14,231	14,638	15,110	15,939	15,824	**15,824**
1980	14,042	13,277	13,071	13,427	13,760	13,869	14,288	13,330	12,944	12,457	12,672	11,570	**11,570**
1981	10,494	10,574	11,153	11,978	12,831	13,437	13,312	13,794	13,935	12,671	12,342	11,042	**11,042**
1982	9,530	9,080	8,755	9,588	8,943	9,263	9,082	9,491	9,838	10,219	11,344	10,420	**10,420**
1983	9,425	8,981	9,101	8,322	8,201	8,279	8,568	8,613	9,345	10,392	10,221	7,861	**7,861**
1984	7,555	9,252	7,822	6,683	7,311	7,887	8,028	8,488	8,943	11,241	10,814	11,893	**11,893**
1985	7,905	7,124	8,095	7,926	7,326	6,794	7,596	7,951	8,701	9,648	10,489	7,502	**7,502**
1986	7,272	6,735	6,179	6,837	6,258	6,652	6,881	6,859	8,344	8,277	8,502	8,379	**8,379**
1987	8,515	7,578	6,523	6,851	6,617	6,089	6,512	7,055	7,989	8,719	9,270	8,447	**8,447**
1988	7,193	6,963	6,363	6,033	5,471	5,970	6,211	7,168	7,476	8,030	8,138	7,284	**7,284**
1989	7,396	5,909	5,747	5,828	5,686	5,840	6,045	6,513	7,565	7,524	7,509	5,139	**5,139**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Distillate Fuel Oil Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	158,740	128,706	112,872	113,693	125,815	145,790	172,373	196,973	210,316	222,969	214,780	190,622	**190,622**
1972	160,073	122,194	101,765	98,324	112,926	128,779	155,593	174,702	190,289	195,570	182,619	154,319	**154,319**
1973	130,993	113,310	111,299	114,723	119,131	137,869	160,901	177,304	190,209	203,000	200,218	196,461	**196,461**
1974	181,217	149,162	128,852	125,587	141,843	160,680	182,495	198,710	208,308	209,945	212,913	200,068	**200,068**
1975	199,752	176,734	161,149	146,257	152,070	163,348	181,514	197,364	220,776	226,160	235,798	208,833	**208,833**
1976	165,477	150,472	138,340	137,285	147,097	165,110	190,900	217,969	232,268	235,638	223,685	185,986	**185,986**
1977	143,011	133,280	141,911	148,254	162,155	178,872	204,915	229,811	252,827	267,433	270,611	250,295	**250,295**
1978	213,278	165,731	137,864	136,182	144,648	157,269	180,453	200,194	200,707	233,100	233,248	216,463	**216,463**
1979	175,837	127,292	112,759	115,140	123,055	141,383	171,223	195,379	220,390	231,073	236,661	228,729	**228,729**
1980	212,412	191,657	177,866	177,241	183,405	196,566	213,835	226,331	232,373	225,707	222,365	205,132	**205,132**
1981	179,439	172,562	164,372	164,647	171,837	179,945	186,264	200,224	207,287	201,189	200,115	191,541	**191,541**
1982	164,380	147,446	126,305	107,958	113,644	123,688	148,150	158,658	161,199	170,148	185,580	178,592	**178,592**
1983	167,555	148,221	118,122	103,132	108,904	113,723	130,655	142,406	153,996	162,551	161,211	140,263	**140,263**
1984	119,317	132,242	109,572	97,690	98,144	112,849	124,421	133,317	142,943	152,236	160,970	161,072	**161,072**
1985	142,384	121,439	99,293	96,845	104,432	109,688	115,683	113,755	117,367	123,417	139,719	143,673	**143,673**
1986	136,490	112,402	98,811	95,907	98,857	107,895	118,905	137,737	152,403	151,617	158,263	155,097	**155,097**
1987	141,342	123,730	109,332	100,338	101,286	104,391	114,602	124,735	126,762	120,974	128,004	134,485	**134,485**
1988	128,098	110,301	89,843	94,972	104,879	110,418	119,955	125,689	131,451	128,248	128,805	123,517	**123,517**
1989	120,620	107,648	96,736	98,541	99,618	99,613	115,036	116,306	123,226	121,691	119,764	105,700	**105,700**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Residual Fuel Oil Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	53,878	48,900	49,425	50,623	55,371	58,735	63,716	65,904	66,519	68,547	59,934	59,681	**59,681**
1972	59,440	50,891	51,566	49,425	53,035	56,109	60,230	61,399	63,692	63,758	57,702	55,216	**55,216**
1973	49,154	43,058	44,711	47,044	49,207	51,811	53,363	53,586	55,091	54,964	51,985	53,480	**53,480**
1974	46,548	45,004	47,222	51,339	54,356	57,891	59,787	60,988	60,251	58,679	60,363	59,694	**59,694**
1975	69,233	66,495	64,148	66,340	73,498	69,660	71,526	71,857	76,938	81,858	83,131	74,126	**74,126**
1976	66,592	68,859	65,132	66,458	65,147	64,272	69,812	68,490	76,436	79,117	73,284	72,344	**72,344**
1977	64,760	71,429	71,192	70,186	73,420	72,036	77,840	78,798	87,522	95,896	95,155	89,993	**89,993**
1978	81,657	65,091	62,388	66,209	72,233	71,860	75,320	74,166	81,314	83,435	88,729	90,194	**90,194**
1979	81,853	67,899	71,652	79,959	84,261	79,816	85,907	87,622	87,789	91,611	90,739	95,598	**95,598**
1980	97,187	90,993	88,302	85,252	87,671	87,792	85,603	86,944	87,868	90,975	93,208	91,786	**91,786**
1981	82,145	77,933	74,841	72,862	78,134	69,404	69,348	74,902	80,191	79,931	81,391	77,992	**77,992**
1982	68,662	58,497	58,128	53,624	58,950	60,674	58,943	52,647	61,818	63,575	66,397	66,200	**66,200**
1983	60,538	53,332	46,293	46,578	50,957	49,869	51,860	48,284	49,681	51,241	54,156	48,504	**48,504**
1984	45,090	57,140	47,890	47,427	46,442	46,880	49,233	44,617	46,836	50,787	47,029	53,000	**53,000**
1985	46,201	45,053	46,127	46,195	41,397	39,622	40,507	34,681	35,187	35,558	50,263	50,381	**50,381**
1986	48,655	43,048	39,709	35,910	39,431	42,767	40,433	41,346	44,006	45,822	46,275	47,437	**47,437**
1987	44,931	38,140	39,303	35,890	40,371	41,356	44,694	45,690	44,417	45,619	49,975	47,410	**47,410**
1988	46,033	45,090	43,746	42,756	45,662	42,165	41,007	38,007	44,592	42,470	44,003	44,621	**44,621**
1989	47,232	45,607	41,644	40,075	42,473	44,101	42,742	44,541	49,399	50,935	52,373	43,838	**43,838**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Liquified Petroleum Gases & Ethane Stocks
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1971	54,725	47,965	51,010	60,286	72,896	83,874	95,131	103,975	108,146	109,383	103,592	94,713	**94,713**
1972	82,426	71,883	72,687	79,951	92,728	101,210	109,840	114,891	119,351	115,493	103,167	85,717	**85,717**
1973	69,222	59,882	63,757	70,441	80,038	90,048	101,030	106,850	111,260	111,255	104,215	98,641	**98,641**
1974	90,079	88,500	92,905	99,447	109,353	116,628	124,405	130,711	131,257	128,932	122,391	112,542	**112,542**
1975	102,771	98,478	97,128	101,394	111,669	124,113	131,244	138,469	141,623	140,572	138,083	125,148	**125,148**
1976	109,021	105,524	108,521	113,983	122,308	130,361	138,413	143,615	147,192	143,899	134,239	116,295	**116,295**
1977	98,887	86,519	91,206	98,604	109,921	119,267	130,937	140,550	147,193	148,114	144,286	136,342	**136,342**
1978	121,726	111,549	112,610	121,539	129,422	138,467	147,276	155,075	156,786	152,362	144,231	132,009	**132,009**
1979	116,505	100,409	95,156	98,120	104,800	112,308	120,468	126,760	130,242	126,232	119,612	110,699	**110,699**
1980	96,418	90,345	90,130	100,291	107,247	116,806	125,587	134,748	137,139	134,477	132,027	120,455	**120,455**
1981	116,805	111,959	112,085	119,161	127,172	133,409	141,416	148,915	151,174	148,957	146,392	134,651	**134,651**
1982	120,913	114,112	107,570	104,632	106,836	109,412	109,829	111,235	110,137	107,139	101,900	93,975	**93,975**
1983	85,734	82,145	82,413	87,082	94,065	104,077	110,922	117,079	117,976	120,497	118,395	100,570	**100,570**
1984	92,601	89,065	88,684	92,855	100,282	106,326	110,628	113,721	115,214	110,934	108,265	100,849	**100,849**
1985	88,495	79,247	78,346	82,631	89,415	94,663	97,966	100,989	99,155	89,742	83,977	73,530	**73,530**
1986	71,043	68,006	71,052	77,062	87,493	102,200	116,162	126,464	130,719	123,015	115,400	102,658	**102,658**
1987	87,169	81,438	81,737	85,376	94,164	99,410	103,916	111,920	114,347	112,505	108,626	97,094	**97,094**
1988	79,535	70,031	68,466	79,307	89,944	99,878	111,660	120,551	121,160	119,704	113,533	97,339	**97,339**
1989	86,949	77,620	74,987	83,818	97,084	105,141	117,761	126,191	124,821	115,107	103,440	80,230	**80,230**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

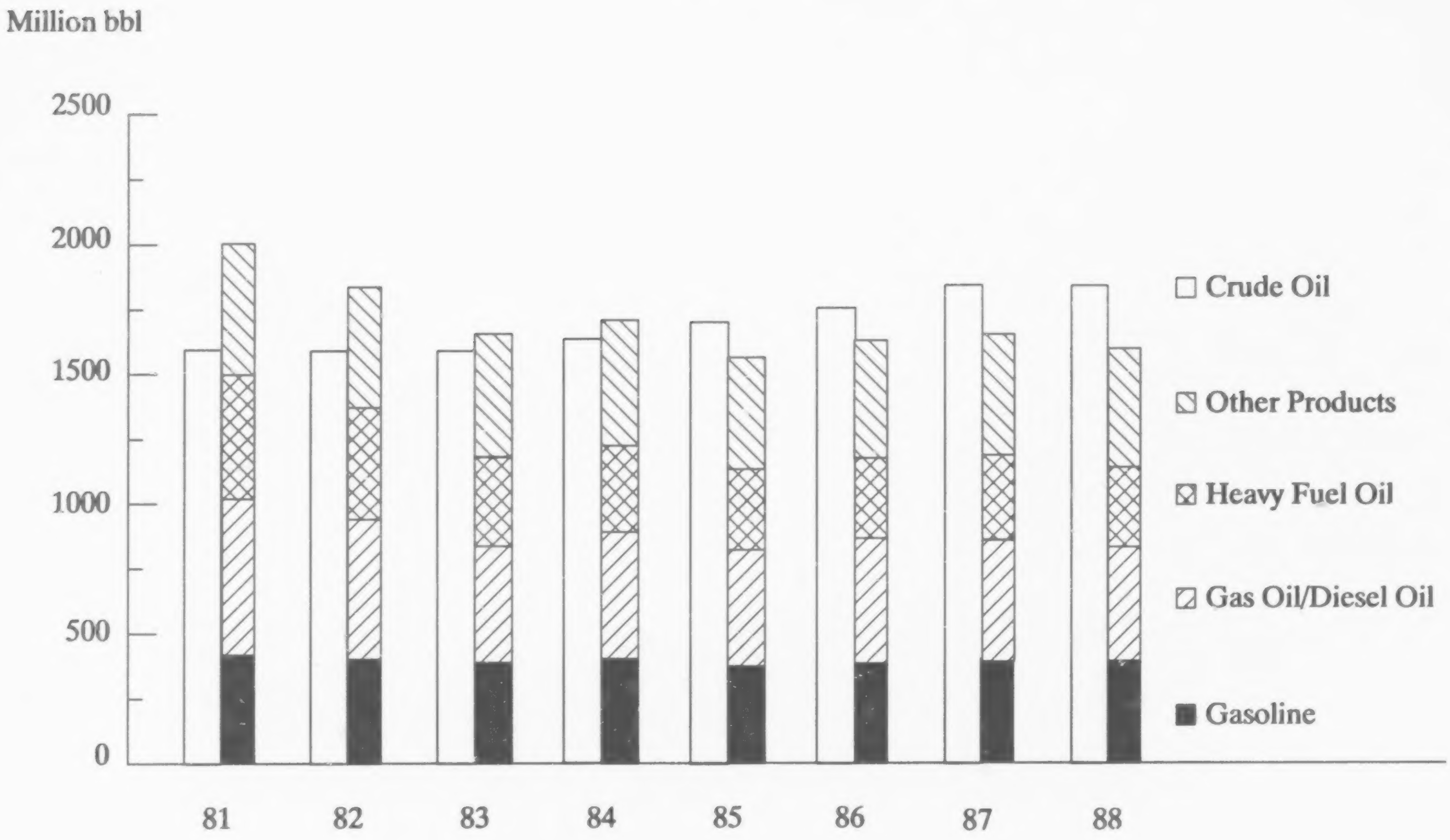
Petroleum* Stocks for OECD Countries at Yearend
Million Barrels

	Canada	France	Italy	Japan	United Kingdom	United States	West Germany	Other OECD	Total OECD
1973	140	201	152	303	156	1,008	181	447	**2,588**
1974	145	249	167	370	161	1,074	213	501	**2,880**
1975	174	225	143	375	165	1,133	187	501	**2,903**
1976	153	234	143	380	165	1,112	208	523	**2,918**
1977	167	239	161	409	148	1,312	225	563	**3,224**
1978	144	201	154	413	157	1,278	238	537	**3,122**
1979	150	226	163	460	169	1,341	272	598	**3,379**
1980	164	243	170	495	168	1,392	319	636	**3,587**
1981	161	214	167	482	143	1,484	297	583	**3,531**
1982	136	193	179	484	125	1,430	272	557	**3,376**
1983	121	153	149	470	118	1,454	249	541	**3,255**
1984	128	152	159	479	112	1,556	239	537	**3,362**
1985	113	139	157	494	123	1,519	233	506	**3,284**
1986	111	127	155	509	124	1,593	252	547	**3,418**
1987	126	127	169	540	121	1,607	259	525	**3,474**
1988	116	140	155	538	112	1,597	266	516	**3,440**
1989	116	138	164	576	114	1,581	271	511	**3,471**

* Includes crude oil, natural gas liquids and refined products stocks.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, International Energy Agency

Total OECD Crude & Products Stocks



Note: 1988 is most current data available in Oil & Gas Journal Energy Database.

Source: IEA

Crude Oil & Refined Products Stocks
Total OECD
Thousands of barrels

	Crude Oil & NGL	Total Refined Products	Total Gasoline	Gas Oil/ Diesel Oil	Heavy (Residual) Fuel Oil	Other Refined Products
1981						
1st Qtr.	1,514,821	1,869,590	484,037	578,816	469,564	337,172
2nd Qtr.	1,632,353	1,852,224	430,946	590,250	482,458	348,570
3rd Qtr.	1,606,721	1,925,730	406,848	648,663	510,668	359,551
4th Qtr.	1,592,672	1,836,967	428,882	590,628	478,302	339,155
1982						
1st Qtr.	1,606,693	1,630,434	430,707	460,588	419,688	319,451
2nd Qtr.	1,627,535	1,613,420	389,594	473,396	419,993	330,438
3rd Qtr.	1,603,623	1,707,008	391,734	536,644	444,895	333,736
4th Qtr.	1,586,518	1,680,937	403,491	538,757	420,885	317,804
1983						
1st Qtr.	1,543,262	1,545,964	401,407	436,060	358,143	350,355
2nd Qtr.	1,530,292	1,572,464	387,689	432,896	366,101	385,779
3rd Qtr.	1,555,936	1,676,161	389,652	501,670	376,215	408,624
4th Qtr.	1,586,468	1,568,363	393,153	452,898	345,508	376,804
1984						
1st Qtr.	1,586,716	1,399,202	426,738	383,661	245,349	343,454
2nd Qtr.	1,671,201	1,530,922	406,671	423,130	328,611	372,510
3rd Qtr.	1,655,290	1,591,421	389,278	471,181	339,335	391,627
4th Qtr.	1,634,415	1,313,400	404,333	328,763	204,528	375,777
1985						
1st Qtr.	1,657,586	1,400,262	388,158	383,654	301,677	326,773
2nd Qtr.	1,701,157	1,411,241	367,213	395,149	300,738	348,141
3rd Qtr.	1,643,993	1,460,997	368,862	412,963	310,115	369,057
4th Qtr.	1,698,440	1,461,390	376,393	445,115	313,534	326,348
1986						
1st Qtr.	1,701,279	1,349,707	382,657	360,005	280,873	326,172
2nd Qtr.	1,738,783	1,417,809	375,696	387,382	299,621	355,110
3rd Qtr.	1,781,461	1,584,326	385,450	477,917	320,746	400,214
4th Qtr.	1,752,968	1,534,409	385,339	482,595	307,985	358,490
1987						
1st Qtr.	1,772,585	1,406,435	414,647	393,679	269,337	328,772
2nd Qtr.	1,783,085	1,417,041	389,598	400,005	281,725	345,714
3rd Qtr.	1,809,846	1,556,295	389,343	462,177	318,761	386,015
4th Qtr.	1,833,096	1,546,774	393,712	461,468	326,899	364,695
1988*						
1st Qtr.	1,832,413	1,411,524	403,104	381,728	303,270	323,422
2nd Qtr.	1,874,797	1,563,249	373,558	421,475	311,715	456,501
3rd Qtr.	1,847,861	1,656,867	375,785	474,538	323,956	482,588
4th Qtr.	1,837,509	1,593,882	390,227	442,811	308,231	452,613

* 1988 is most current data available in Oil & Gas Journal Energy Database.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Crude Oil and Refined Products Stocks
Market Economies at Yearend
Millions of barrels per day

	1987				1988			
	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
United States*								
Commercial	1,037	1,021	1,072	1,066	1,014	1,062	1,073	1,037
Strategic	520	527	534	541	545	550	555	560
OECD Europe	1,067	1,081	1,132	1,136	1,065	1,099	1,127	1,118
Japan	502	520	524	540	522	556	559	538
Other OECD	183	172	187	197	192	183	190	187
Total OECD Stocks	**3,309**	**3,321**	**3,449**	**3,480**	**3,338**	**3,450**	**3,504**	**3,440**
Other Stocks	726	726	742	752	758	755	772	786
Total Inland Stocks	**4,035**	**4,047**	**4,191**	**4,232**	**4,096**	**4,205**	**4,276**	**4,226**
Stocks for Export & Afloat	750	785	815	790	810	850	870	920
Commercial Floating	110	75	75	85	85	75	80	85
Total Market Economies	**4,895**	**4,907**	**5,081**	**5,107**	**4,991**	**5,130**	**5,226**	**5,231**

	1989			
	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
United States*				
Commercial	1,003	1,036	1,093	1,003
Strategic	566	572	577	580
OECD Europe	1,084	1,094	1,136	1,126
Japan	552	557	572	576
Other OECD	179	190	187	186
Total OECD Stocks	**3,384**	**3,449**	**3,565**	**3,471**
Other Stocks	790	791	806	834
Total Inland Stocks	**4,174**	**4,240**	**4,371**	**4,305**
Stocks for Export & Afloat	920	925	960	945
Commercial Floating	70	70	65	65
Total Market Economies	**5,164**	**5,235**	**5,396**	**5,315**

* U.S. stocks include Alaskan crude oil in transit by water.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

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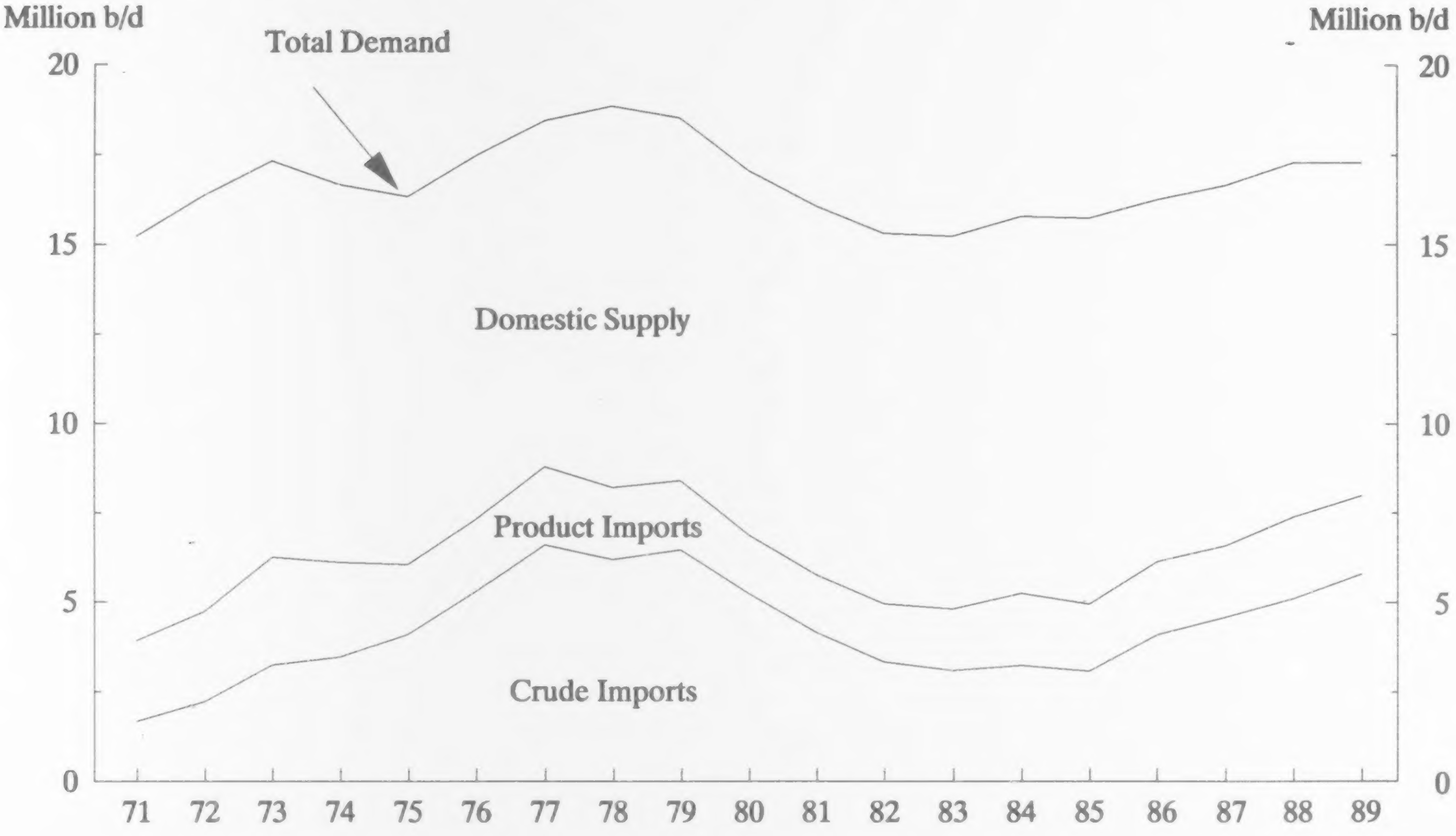
U.S. Imports and Demand



Source: EIA

U.S. Crude Oil Imports
(Excluding SPR Imports)
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	2,732.0	2,872.6	3,162.0	3,048.6	3,214.6	3,220.4	3,501.0	3,592.5	3,470.6	3,738.9	3,452.3	2,891.4	**3,241.4**
1974	2,381.9	2,247.9	2,462.2	3,267.0	3,907.7	3,924.9	4,091.5	3,923.7	3,796.9	3,809.5	3,958.0	3,869.0	**3,470.0**
1975	4,029.1	3,828.4	3,656.3	3,377.9	3,486.2	3,904.7	4,192.5	4,581.2	4,689.2	4,389.3	4,623.4	4,476.2	**4,102.9**
1976	4,594.4	4,207.9	4,738.0	4,789.6	4,669.3	5,627.8	5,791.6	5,555.5	5,874.6	5,688.9	5,945.6	5,925.4	**5,284.0**
1977	6,261.1	6,636.6	6,678.9	6,784.7	6,797.6	7,044.4	7,047.6	6,374.7	6,408.4	6,481.6	6,300.1	6,306.4	**6,593.5**
1978	6,081.9	5,589.1	6,005.3	5,463.6	5,569.0	6,305.0	6,171.0	6,276.5	6,890.0	6,437.1	6,667.7	6,838.0	**6,191.2**
1979	6,720.9	6,343.8	6,252.1	6,145.4	6,163.1	6,582.4	6,561.3	6,773.5	6,425.5	6,889.8	6,227.9	6,318.1	**6,450.3**
1980	6,405.8	6,013.4	5,695.4	5,597.7	5,106.4	5,480.0	4,843.2	4,802.8	4,653.3	4,637.4	4,538.1	4,884.3	**5,22[illegible].5**
1981	4,826.5	4,793.3	4,381.7	4,065.9	3,901.1	3,742.6	4,120.5	3,922.2	4,305.1	3,927.0	3,774.5	3,971.2	**4,144.3**
1982	3,522.8	2,830.2	2,689.2	2,659.1	3,105.1	3,731.9	4,150.4	3,643.0	3,496.8	3,453.6	3,682.6	2,876.6	**3,320.1**
1983	2,745.7	2,070.0	2,089.2	2,913.3	3,071.1	3,387.1	3,597.0	3,876.1	3,901.4	3,243.8	3,166.3	3,020.2	**3,090.1**
1984	2,855.0	2,865.7	3,322.0	3,247.6	3,696.5	3,237.5	3,317.5	3,068.1	3,289.0	3,564.6	3,364.2	2,907.3	**3,227.9**
1985	2,494.0	2,009.9	2,737.9	3,293.2	3,507.7	3,033.6	2,977.1	2,998.8	3,084.1	3,217.8	3,945.8	3,621.3	**3,076.8**
1986	3,420.4	2,944.1	2,929.2	3,621.0	4,214.6	4,571.3	4,673.9	4,808.5	4,983.9	4,382.3	4,569.7	4,364.8	**4,123.6**
1987	4,292.9	3,822.1	3,684.5	4,075.5	4,248.1	4,742.8	5,218.2	5,446.5	5,046.5	5,084.8	4,916.5	4,571.5	**4,595.8**
1988	4,595.0	4,601.1	4,845.5	5,089.6	5,317.1	5,252.0	5,058.4	5,063.5	5,128.3	5,507.6	4,980.8	5,203.0	**5,053.5**
1989	5,596.4	5,220.5	4,960.2	5,690.4	5,651.9	5,920.4	6,138.7	6,533.2	5,969.3	6,149.4	6,130.6	5,451.5	**5,784.4**

U.S. Crude Oil Imports
(Excluding SPR Imports)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	84,693	80,433	98,021	91,459	99,654	96,613	108,530	111,368	104,117	115,905	103,570	89,633	**1,183,996**
1974	73,839	62,940	76,329	98,011	121,139	117,747	126,835	121,634	113,907	118,096	118,739	119,939	**1,269,155**
1975	124,901	107,194	113,345	101,338	108,072	117,142	129,966	142,016	140,675	136,068	138,703	138,761	**1,498,181**
1976	142,427	122,030	146,879	143,687	144,748	168,833	179,540	172,221	176,237	176,357	178,367	183,686	**1,935,012**
1977	194,094	185,826	207,046	203,540	210,726	211,331	218,476	197,617	192,252	200,931	189,004	195,498	**2,406,341**
1978	188,538	156,496	186,164	163,909	172,638	189,151	191,302	194,572	206,700	199,549	200,030	211,977	**2,261,026**
1979	208,347	177,627	193,815	184,363	191,057	197,472	203,400	209,979	192,766	213,583	186,837	195,861	**2,355,107**
1980	198,581	174,389	176,558	167,930	158,299	164,401	150,138	148,886	139,600	143,759	136,142	151,412	**1,910,095**
1981	149,620	134,211	135,832	121,976	120,933	112,279	127,736	121,588	129,153	121,737	113,234	123,107	**1,511,406**
1982	109,208	79,245	83,366	79,773	96,257	111,956	128,663	112,934	104,903	107,063	110,478	89,174	**1,213,020**
1983	85,116	57,961	64,765	87,398	95,203	101,614	111,508	120,159	117,043	100,559	94,988	93,625	**1,129,939**
1984	88,504	83,106	102,982	97,428	114,590	97,124	102,841	95,112	98,669	110,504	100,925	90,126	**1,181,911**
1985	77,313	56,277	84,875	98,797	108,740	91,009	92,290	92,962	92,524	99,752	118,375	112,260	**1,125,174**
1986	106,031	82,434	90,806	108,631	130,653	137,140	144,891	149,064	149,516	135,850	137,090	135,309	**1,507,415**
1987	133,081	107,019	114,219	122,266	131,692	142,285	161,764	168,843	151,395	157,629	147,494	141,718	**1,679,405**
1988	142,444	133,433	150,210	152,687	164,830	157,560	156,810	156,970	153,849	170,737	149,425	161,292	**1,850,247**
1989	173,487	146,174	153,767	170,712	175,210	177,611	190,301	202,529	179,078	190,630	183,917	168,997	**2,112,413**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Crude Oil Imports
for the Strategic Petroleum Reserve
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1977										93.0	73.0	79.0	**20.4**
1978	114.0	109.0	132.0	108.0	133.0	146.0	154.0	184.0	225.0	195.0	188.0	245.0	**161.1**
1979	204.3	178.6	122.1	65.9	97.5	64.9	41.1	35.3	0.0	0.0	0.0	0.0	**67.5**
1980	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.9	130.6	142.1	197.9	**43.7**
1981	106.0	80.0	139.6	272.4	385.6	318.0	175.0	257.1	435.3	453.4	271.5	165.5	**254.9**
1982	170.0	159.4	185.1	189.8	203.9	104.6	97.2	208.4	139.2	216.2	179.6	123.6	**164.7**
1983	218.5	197.1	200.7	205.1	288.7	189.9	273.9	350.4	308.9	202.0	170.5	192.7	**233.2**
1984	199.9	84.6	147.6	169.9	245.8	308.9	328.9	180.0	53.3	186.5	219.1	229.0	**196.1**
1985	222.7	97.8	48.0	108.2	222.5	154.5	225.7	115.6	70.8	20.2	52.8	74.2	**117.8**
1986	51.5	23.8	59.2	63.0	35.6	63.8	52.2	50.7	46.9	36.5	45.1	47.6	**48.0**
1987	92.3	44.3	94.9	56.6	92.2	63.7	76.4	63.2	63.9	56.8	96.5	68.0	**72.4**
1988	66.8	49.3	22.6	77.5	21.9	70.2	41.6	25.7	83.5	43.3	88.9	27.1	**51.6**
1989	64.8	84.5	75.3	59.5	77.2	55.3	75.1	31.9	58.5	37.2	40.5	11.7	**56.0**

U.S. Crude Oil Imports
for the Strategic Petroleum Reserve
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1977										2,883	2,190	2,449	**7,522**
1978	3,534	3,052	4,092	3,240	4,123	4,380	4,774	5,704	6,750	6,045	5,640	7,595	**58,929**
1979	6,334	5,002	3,786	1,976	3,022	1,946	1,275	1,093	0	0	0	0	**24,434**
1980	0	0	0	0	0	0	0	0	1,618	4,050	4,263	6,136	**16,067**
1981	3,286	2,239	4,328	8,171	11,953	9,539	5,425	7,969	13,060	14,054	8,144	5,130	**93,298**
1982	5,271	4,463	5,738	5,694	6,320	3,137	3,014	6,459	4,176	6,702	5,387	3,831	**60,192**
1983	6,775	5,518	6,222	6,153	8,950	5,696	8,490	10,863	9,266	6,262	5,115	5,975	**85,285**
1984	6,197	2,452	4,575	5,096	7,620	9,267	10,197	5,581	1,599	5,782	6,573	7,099	**72,038**
1985	6,905	2,737	1,489	3,247	6,897	4,636	6,996	3,585	2,123	626	1,583	2,301	**43,125**
1986	1,596	666	1,835	1,889	1,104	1,913	1,618	1,573	1,407	1,133	1,354	1,475	**17,563**
1987	2,862	1,241	2,941	1,698	2,857	1,912	2,367	1,959	1,917	1,761	2,895	2,107	**26,517**
1988	2,071	1,430	702	2,325	680	2,107	1,290	796	2,506	1,343	2,668	840	**18,758**
1989	2,010	2,365	2,333	1,784	2,394	1,658	2,327	988	1,756	1,153	1,216	364	**20,348**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total U.S. Crude and Product Imports
(Excluding SPR* Imports)
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	5,857.1	6,507.3	6,610.2	5,593.4	5,840.9	5,890.3	6,178.9	6,591.1	6,411.5	6,632.6	6,922.3	6,055.8	**6,257.6**
1974	5,370.7	5,216.0	5,273.8	5,979.6	6,493.4	6,360.0	6,536.5	6,361.2	6,051.8	6,175.2	6,798.4	6,666.8	**6,106.9**
1975	6,860.6	6,176.1	5,730.0	5,040.3	5,214.0	5,339.6	5,959.0	6,291.8	6,804.3	6,329.2	6,419.0	6,425.3	**6,049.1**
1976	6,713.6	6,711.8	6,686.7	6,595.3	6,323.1	7,474.4	7,883.6	7,382.2	7,924.1	7,535.9	8,060.3	8,447.3	**7,311.5**
1977	8,882.7	9,974.9	9,362.5	8,686.7	8,550.8	8,916.2	9,075.0	8,554.2	8,545.8	8,343.9	8,113.8	8,504.7	**8,792.6**
1978	8,174.3	7,944.1	8,342.9	7,579.4	7,372.9	7,944.7	8,119.2	8,134.1	8,872.7	8,155.4	8,688.8	9,083.3	**8,201.0**
1979	8,943.7	8,412.6	8,638.3	7,827.5	7,993.4	8,262.1	8,517.4	8,554.7	8,023.0	8,688.2	8,183.2	8,628.5	**8,389.4**
1980	8,598.0	7,944.7	7,452.4	7,105.9	6,578.7	6,894.4	6,257.2	6,191.9	6,185.2	6,248.2	6,265.8	6,696.2	**6,868.2**
1981	6,721.5	6,692.3	5,888.6	5,395.6	5,389.7	5,117.4	5,641.3	5,510.1	5,929.3	5,506.0	5,469.8	5,677.5	**5,744.9**
1982	5,162.2	4,647.3	4,299.1	4,188.2	4,607.6	5,222.5	5,792.5	5,035.4	5,275.1	5,089.7	5,564.8	4,482.0	**4,947.2**
1983	4,219.2	3,529.0	3,488.8	4,521.9	4,800.4	5,136.3	5,467.0	5,808.9	5,820.6	5,056.3	5,039.4	4,840.1	**4,810.7**
1984	5,230.1	5,608.2	5,153.6	5,202.4	5,732.8	5,173.3	5,078.3	4,864.2	5,198.3	5,592.3	5,367.7	4,703.6	**5,242.1**
1985	4,192.3	3,815.4	4,624.9	5,207.8	5,553.8	4,774.7	4,723.9	4,602.0	4,899.7	5,100.9	6,063.4	5,756.4	**4,942.9**
1986	5,521.2	4,652.7	4,652.9	5,376.5	6,364.3	6,784.1	6,889.5	7,117.3	7,042.8	6,390.6	6,546.6	6,652.8	**6,165.9**
1987	6,260.8	5,940.1	5,699.1	5,854.6	5,980.5	6,705.0	7,511.4	7,390.5	7,114.1	7,010.7	6,971.2	6,765.5	**6,600.3**
1988	7,114.2	7,206.5	6,921.7	7,192.9	7,446.9	7,168.7	7,255.3	7,360.0	7,422.1	7,786.6	7,625.2	7,700.0	**7,350.0**
1989	8,190.1	7,947.0	7,380.9	8,018.4	7,700.6	7,922.0	8,293.9	8,528.1	7,943.8	8,264.2	8,300.5	7,567.7	**8,004.8**

Total U.S Crude and Product Imports
(Excluding SPR* Imports)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	181,570	182,204	204,915	167,801	181,069	176,708	191,547	204,325	192,344	205,611	207,670	187,729	**2,283,493**
1974	166,492	146,049	163,488	179,389	201,294	190,799	202,632	197,197	181,554	191,430	203,952	206,671	**2,230,947**
1975	212,680	172,931	177,630	151,209	161,635	160,189	184,728	195,046	204,128	196,204	192,570	199,185	**2,208,135**
1976	208,122	194,642	207,287	197,860	196,015	224,233	244,393	228,848	237,723	233,613	241,808	261,867	**2,676,411**
1977	275,365	279,297	290,236	260,601	265,076	267,486	281,324	265,180	256,375	258,660	243,414	263,646	**3,206,660**
1978	253,404	222,436	258,630	227,381	228,560	238,340	251,694	252,157	266,182	252,816	260,663	281,582	**2,993,845**
1979	277,255	235,553	267,788	234,826	247,794	247,864	264,039	265,195	240,690	269,335	245,497	267,482	**3,063,318**
1980	266,539	230,396	231,024	213,177	203,940	206,831	193,973	191,949	185,555	193,695	187,974	207,583	**2,512,636**
1981	208,365	187,383	182,546	161,868	167,081	153,522	174,881	170,814	177,879	170,686	164,094	176,003	**2,095,122**
1982	160,028	130,125	133,271	125,646	142,835	156,676	179,566	156,098	158,252	157,781	166,944	138,942	**1,806,164**
1983	130,794	98,811	108,153	135,658	148,811	154,090	169,476	180,077	174,617	156,745	151,182	150,043	**1,758,457**
1984	162,134	162,638	159,763	156,072	177,718	155,199	157,427	150,791	155,948	173,362	161,032	145,811	**1,917,895**
1985	129,962	106,830	143,372	156,235	172,168	143,242	146,441	142,663	146,991	158,129	181,901	178,449	**1,806,383**
1986	171,158	130,275	144,239	161,294	197,293	203,523	213,573	220,637	211,283	198,108	196,399	206,237	**2,254,019**
1987	194,086	166,324	176,671	175,637	185,394	201,149	232,852	229,107	213,422	217,332	209,136	209,731	**2,410,841**
1988	220,540	208,989	214,572	215,786	230,853	215,060	224,914	228,161	222,663	241,385	228,757	238,701	**2,690,381**
1989	253,894	222,517	228,807	240,551	238,720	237,660	257,112	264,372	238,314	256,191	249,015	234,598	**2,921,751**

* Strategic Petroleum Reserve

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total U.S. Refined Product Imports
(Including Unfinished Oils)
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	3,125.1	3,634.7	3,448.2	2,544.7	2,626.3	2,669.8	2,678.0	2,998.6	2,940.9	2,893.7	3,470.0	3,164.4	3,016.2
1974	2,988.8	2,968.2	2,811.6	2,712.6	2,585.6	2,435.1	2,445.1	2,437.5	2,254.9	2,365.6	2,840.4	2,797.8	2,636.9
1975	2,831.6	2,347.8	2,073.7	1,662.4	1,727.8	1,434.9	1,766.5	1,710.6	2,115.1	1,939.9	1,795.6	1,949.2	1,946.3
1976	2,119.2	2,503.9	1,948.6	1,805.8	1,653.8	1,846.7	2,092.0	1,826.7	2,049.5	1,847.0	2,114.7	2,522.0	2,027.5
1977	2,621.6	3,338.3	2,683.5	1,902.0	1,753.2	1,871.8	2,027.4	2,179.5	2,137.4	1,862.2	1,813.7	2,198.3	2,199.1
1978	2,092.5	2,355.0	2,337.6	2,115.7	1,803.9	1,639.6	1,948.1	1,857.6	1,982.7	1,718.3	2,021.1	2,245.3	2,009.8
1979	2,222.8	2,068.8	2,386.2	1,682.1	1,830.2	1,679.7	1,956.1	1,781.2	1,597.5	1,798.5	1,955.3	2,310.4	1,939.1
1980	2,192.2	1,931.3	1,757.0	1,508.2	1,472.3	1,414.3	1,414.0	1,389.1	1,531.8	1,610.8	1,727.7	1,812.0	1,646.7
1981	1,895.0	1,899.0	1,506.9	1,329.7	1,488.6	1,374.8	1,520.8	1,587.9	1,624.2	1,579.0	1,695.3	1,706.3	1,600.6
1982	1,639.4	1,817.1	1,609.8	1,529.1	1,502.5	1,490.7	1,642.0	1,392.4	1,778.3	1,636.1	1,882.2	1,605.4	1,627.1
1983	1,473.5	1,458.9	1,399.6	1,603.7	1,729.3	1,749.2	1,869.9	1,932.8	1,919.1	1,812.5	1,873.1	1,819.9	1,720.6
1984	2,375.2	2,742.5	1,831.6	1,954.8	2,036.4	1,935.8	1,760.8	1,796.1	1,909.3	2,027.7	2,003.6	1,796.3	2,014.2
1985	1,698.4	1,805.5	1,887.0	1,914.6	2,046.1	1,741.1	1,746.8	1,603.3	1,815.6	1,883.1	2,117.5	2,135.1	1,866.2
1986	2,100.9	1,708.6	1,723.6	1,755.4	2,149.7	2,212.8	2,215.5	2,308.8	2,058.9	2,008.3	1,977.0	2,288.0	2,042.3
1987	1,967.9	2,118.0	2,014.6	1,779.0	1,732.4	1,962.2	2,293.2	1,944.0	2,067.5	1,925.9	2,054.8	2,194.0	2,004.4
1988	2,519.2	2,605.4	2,076.2	2,103.3	2,129.8	1,916.7	2,196.9	2,296.5	2,293.8	2,279.0	2,644.4	2,497.1	2,296.5
1989	2,593.8	2,726.5	2,420.6	2,328.0	2,048.7	2,001.6	2,155.2	1,994.9	1,974.5	2,114.9	2,169.9	2,116.2	2,220.4

Total U.S. Refined Product Imports
(Including Unfinished Oils)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	96,877	101,771	106,894	76,342	81,415	80,095	83,017	92,957	88,227	89,706	104,100	98,096	1,099,497
1974	92,653	83,109	87,159	81,378	80,155	73,052	75,797	75,563	67,647	73,334	85,213	86,732	961,792
1975	87,779	65,737	64,285	49,871	53,563	43,047	54,762	53,030	63,453	60,136	53,867	60,424	709,954
1976	65,695	72,612	60,408	54,173	51,267	55,400	64,853	56,627	61,486	57,256	63,441	78,181	741,399
1977	81,271	93,471	83,190	57,061	54,350	56,155	62,848	67,563	64,123	57,729	54,410	68,148	800,319
1978	64,866	65,940	72,466	63,472	55,922	49,189	60,392	57,585	59,482	53,267	60,633	69,605	732,819
1979	68,908	57,926	73,973	50,463	56,737	50,392	60,639	55,216	47,924	55,752	58,660	71,621	708,211
1980	67,958	56,007	54,466	45,247	45,641	42,430	43,835	43,063	45,955	49,936	51,832	56,171	602,541
1981	58,745	53,172	46,714	39,892	46,148	41,243	47,145	49,226	48,726	48,949	50,860	52,896	583,716
1982	50,820	50,880	49,905	45,873	46,578	44,720	50,903	43,164	53,349	50,718	56,466	49,768	593,144
1983	45,678	40,850	43,388	48,260	53,608	52,476	57,968	59,918	57,574	56,186	56,194	56,418	628,518
1984	73,630	79,532	56,781	58,644	63,128	58,075	54,586	55,679	57,279	62,858	60,107	55,685	735,984
1985	52,649	50,553	58,497	57,438	63,428	52,233	54,151	49,701	54,467	58,377	63,526	66,189	681,209
1986	65,127	47,841	53,432	52,663	66,640	66,383	68,682	71,573	61,767	62,258	59,309	70,928	746,603
1987	61,004	59,304	62,452	53,371	53,703	58,865	71,088	60,264	62,026	59,703	61,643	68,014	731,437
1988	78,096	75,556	64,362	63,099	66,023	57,500	68,104	71,191	68,814	70,648	79,332	77,409	840,134
1989	80,407	76,343	75,040	69,839	63,510	60,049	66,811	61,843	59,236	65,561	65,098	65,601	809,338

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Motor Gasoline Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	59.4	95.3	70.7	63.4	101.5	173.8	132.6	164.2	127.2	194.2	216.4	202.2	**133.4**
1974	162.8	184.4	224.5	259.7	250.1	210.8	211.7	253.2	201.9	171.1	174.1	141.0	**203.8**
1975	261.8	170.9	149.8	133.0	141.9	176.8	208.9	231.7	269.2	207.0	139.3	118.7	**184.1**
1976	91.9	83.7	122.8	99.3	111.6	187.7	189.8	141.4	170.6	137.5	146.0	83.5	**130.5**
1977	231.0	188.2	257.3	268.5	201.9	245.9	248.0	189.6	221.6	179.2	178.9	197.4	**217.3**
1978	214.3	200.8	141.0	177.4	168.7	234.0	211.5	179.0	250.9	181.2	147.2	182.2	**190.7**
1979	178.9	159.7	167.8	155.7	144.9	260.5	222.7	147.5	134.9	150.2	182.2	263.3	**180.7**
1980	141.4	153.7	154.6	154.5	132.0	147.5	149.1	140.8	105.9	151.6	126.4	121.4	**139.9**
1981	137.5	111.3	170.6	186.3	149.8	185.9	150.8	123.6	169.1	147.0	148.3	197.3	**156.5**
1982	128.1	133.2	183.2	185.0	182.4	230.2	225.4	291.4	223.3	185.1	211.3	178.2	**196.4**
1983	153.2	128.0	185.5	254.9	304.5	276.6	302.4	249.9	279.1	329.6	268.8	223.8	**246.4**
1984	231.0	298.6	355.2	318.9	345.7	296.3	246.8	241.9	348.9	308.1	285.6	307.9	**298.7**
1985	203.6	347.6	480.9	494.3	480.2	396.3	426.1	304.5	314.2	323.8	410.3	386.2	**380.7**
1986	332.4	334.4	224.5	291.3	470.9	391.8	337.5	302.8	302.8	322.1	279.7	319.6	**325.8**
1987	392.7	308.9	364.1	373.8	353.9	384.6	452.0	395.8	421.2	356.0	483.9	319.5	**383.9**
1988	357.4	396.8	348.8	399.3	437.3	428.0	482.1	493.8	443.2	352.1	451.3	277.1	**405.6**
1989	352.7	422.5	380.7	370.2	355.5	385.9	382.9	360.0	319.9	389.1	406.2	306.4	**369.3**

Total Motor Gasoline Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	1,841	2,667	2,193	1,902	3,146	5,214	4,110	5,091	3,816	6,020	6,492	6,267	**48,759**
1974	5,047	5,163	6,960	7,790	7,754	6,324	6,562	7,849	6,056	5,303	5,224	4,370	**74,402**
1975	8,115	4,784	4,645	3,989	4,398	5,304	6,475	7,184	8,077	6,417	4,180	3,681	**67,249**
1976	2,850	2,427	3,806	2,980	3,461	5,631	5,883	4,384	5,119	4,264	4,379	2,590	**47,774**
1977	7,160	5,270	7,977	8,056	6,258	7,378	7,688	5,879	6,649	5,555	5,368	6,118	**79,356**
1978	6,642	5,623	4,370	5,323	5,229	7,019	6,558	5,549	7,526	5,616	4,416	5,647	**69,518**
1979	5,545	4,472	5,202	4,671	4,493	7,815	6,903	4,573	4,046	4,657	5,467	8,162	**66,006**
1980	4,383	4,457	4,792	4,636	4,093	4,425	4,621	4,365	3,176	4,700	3,793	3,763	**51,204**
1981	4,263	3,116	5,289	5,589	4,643	5,577	4,676	3,832	5,074	4,557	4,448	6,117	**57,181**
1982	3,970	3,729	5,680	5,551	5,653	6,905	6,987	9,032	6,700	5,739	6,340	5,523	**71,809**
1983	4,748	3,584	5,752	7,646	9,440	8,298	9,375	7,747	8,374	10,218	8,063	6,939	**90,184**
1984	7,162	8,659	11,011	9,566	10,717	8,889	7,652	7,500	10,468	9,550	8,568	9,544	**109,286**
1985	6,312	9,733	14,908	14,828	14,886	11,888	13,208	9,441	9,427	10,039	12,310	11,973	**138,953**
1986	10,305	9,362	6,958	8,738	14,597	11,754	10,461	9,386	9,084	9,985	8,392	9,908	**118,930**
1987	12,173	8,648	11,287	11,213	10,970	11,539	14,011	12,269	12,636	11,037	14,516	9,905	**140,204**
1988	11,079	11,508	10,814	11,978	13,556	12,839	14,946	15,309	13,297	10,915	13,540	8,591	**148,372**
1989	10,935	11,830	11,803	11,106	11,020	11,578	11,870	11,159	9,597	12,061	12,185	9,499	**134,643**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Naphtha Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	25.1	15.7	12.7	28.2	22.0	30.9	31.6	59.9	40.6	71.5	56.5	41.3	**36.3**
1974	4.7	0.9	9.4	17.6	45.7	27.2	38.9	50.1	48.3	25.9	32.9	25.3	**27.2**
1975	23.5	35.1	30.5	13.8	23.0	21.7	15.8	27.8	47.3	26.4	33.3	42.4	**28.4**
1976	10.4	22.1	5.3	11.9	29.2	14.8	17.1	8.7	11.2	15.1	16.2	18.9	**15.1**
1977	6.6	8.8	23.9	35.2	20.2	14.5	33.0	13.6	7.3	30.9	27.1	34.5	**21.3**
1978	8.8	17.5	16.4	42.1	28.7	3.9	34.1	22.9	6.3	10.3	29.7	8.3	**19.1**
1979	24.4	18.0	6.2	12.1	16.8	28.6	23.4	15.8	14.8	32.8	38.3	37.3	**22.4**
1980	31.7	20.1	50.8	39.5	35.9	40.3	42.6	15.3	25.5	15.7	26.6	27.1	**30.9**
1981	0.0	6.2	23.0	10.1	13.8	15.2	14.2	3.6	0.0	0.0	0.0	1.6	**7.3**
1982	3.3	7.8	0.0	6.1	11.9	0.0	8.1	6.9	15.8	2.9	0.0	0.0	**5.2**
1983	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	2.7	0.0	0.0	7.1	**0.9**
1984	14.1	3.7	11.2	60.9	27.1	16.2	0.0	20.8	0.0	0.0	14.6	1.7	**14.2**
1985	18.8	8.7	16.6	3.5	5.5	14.6	8.1	3.5	0.3	13.3	9.4	1.9	**8.7**
1986	2.4	1.8	4.8	4.5	15.0	8.9	15.7	8.3	5.7	7.0	11.2	20.5	**8.8**
1987	5.6	2.9	5.7	2.5	2.3	1.8	2.8	2.7	2.1	3.8	3.7	2.5	**3.2**
1988	2.5	2.8	2.1	3.0	3.5	3.3	3.2	3.4	2.6	2.7	2.7	2.7	**2.9**
1989	2.7	2.4	4.3	2.6	9.6	3.7	2.8	3.5	3.2	3.1	1.8	1.3	**3.4**

Total Jet Naphtha Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	777	440	394	846	681	926	981	1,358	1,219	2,218	1,695	1,280	**13,315**
1974	145	26	292	529	1,417	816	1,206	1,553	1,449	802	987	784	**10,006**
1975	730	984	947	413	713	650	490	861	1,420	818	998	1,315	**10,339**
1976	323	642	164	357	906	445	529	271	336	469	485	587	**5,514**
1977	205	245	742	1,057	627	435	1,022	423	219	958	812	1,071	**7,816**
1978	272	491	507	1,264	889	117	1,057	710	188	320	892	256	**6,963**
1979	756	503	192	363	521	858	725	490	445	1,016	1,149	1,155	**8,173**
1980	984	584	1,576	1,185	1,114	1,208	1,322	475	765	486	799	839	**11,337**
1981	0	174	712	302	428	457	441	112	0	0	0	49	**2,675**
1982	101	217	0	182	370	0	250	215	474	91	0	0	**1,900**
1983	0	0	0	0	0	21	0	0	80	0	0	220	**321**
1984	438	106	347	1,826	839	485	0	646	0	0	438	54	**5,179**
1985	584	244	515	104	172	439	250	107	10	412	283	60	**3,180**
1986	75	50	149	135	466	268	487	258	171	216	336	637	**3,248**
1987	173	80	178	76	72	55	88	85	62	117	110	76	**1,172**
1988	79	80	66	89	110	98	98	105	79	83	80	84	**1,051**
1989	85	68	132	78	298	110	86	110	96	96	55	40	**1,254**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Kerosine Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	205.8	205.7	139.7	116.9	188.6	132.7	199.9	119.8	194.3	174.8	218.2	217.3	176.1
1974	131.1	74.0	129.3	114.5	159.5	113.8	175.3	156.1	168.4	134.8	106.9	152.7	134.7
1975	205.8	164.4	93.1	123.6	110.5	84.1	71.9	104.5	92.7	79.8	55.6	67.0	104.9
1976	58.5	48.8	80.5	96.5	76.4	53.3	113.3	29.0	51.6	35.0	39.5	53.2	61.3
1977	70.6	65.6	74.8	50.6	37.0	15.6	52.4	56.9	45.8	36.3	79.9	55.0	53.4
1978	51.3	59.0	82.1	79.7	78.9	55.0	70.8	63.4	68.6	55.1	58.9	77.9	66.7
1979	72.3	75.6	54.6	36.7	61.1	28.4	67.0	32.8	69.5	57.0	45.0	70.8	55.9
1980	64.5	22.6	48.9	70.3	36.6	45.9	50.4	51.2	51.1	70.0	36.8	33.3	48.5
1981	14.6	31.4	52.7	45.0	32.9	53.2	20.7	43.8	45.5	14.0	9.1	5.8	30.7
1982	7.0	54.7	38.7	41.4	18.7	2.8	22.8	19.4	14.3	17.2	39.7	7.3	23.7
1983	26.8	8.1	35.4	15.4	29.3	24.9	30.1	40.1	41.2	49.5	22.7	16.9	28.4
1984	50.9	110.4	37.6	42.0	29.3	35.9	40.2	77.2	33.4	56.0	21.9	37.6	47.7
1985	48.7	28.9	30.0	13.8	24.0	20.1	42.8	9.5	34.0	41.6	32.4	35.4	30.1
1986	25.0	33.1	24.5	38.9	38.7	76.2	105.6	76.7	54.4	30.8	47.5	27.5	48.2
1987	37.0	63.9	77.0	62.4	64.6	63.8	69.9	51.5	81.3	78.8	51.3	65.4	63.9
1988	82.2	67.6	94.8	80.7	108.3	74.7	84.7	99.6	58.6	143.0	76.1	71.7	86.8
1989	97.9	117.1	96.5	124.7	110.0	120.3	110.7	86.4	91.6	70.8	88.8	113.5	102.4

Total Jet Kerosine Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	6,380	5,759	4,330	3,507	5,846	3,981	6,196	3,715	5,829	5,418	6,546	6,735	64,242
1974	4,065	2,073	4,009	3,436	4,946	3,413	5,435	4,839	5,053	4,180	3,206	4,735	49,390
1975	6,381	4,604	3,073	3,709	3,424	2,523	2,230	3,240	2,782	2,473	1,669	2,076	38,184
1976	1,815	1,416	2,496	2,894	2,369	1,600	3,511	900	1,549	1,085	1,185	1,649	22,469
1977	2,188	1,836	2,319	1,517	1,146	469	1,625	1,765	1,375	1,126	2,396	1,704	19,466
1978	1,591	1,651	2,546	2,390	2,446	1,651	2,196	1,966	2,058	1,708	1,766	2,414	24,383
1979	2,242	2,116	1,694	1,102	1,895	852	2,078	1,017	2,084	1,767	1,351	2,195	20,393
1980	2,001	654	1,515	2,108	1,135	1,378	1,563	1,588	1,534	2,169	1,104	1,032	17,781
1981	454	879	1,633	1,349	1,020	1,596	641	1,359	1,366	435	272	180	11,184
1982	217	1,532	1,200	1,242	579	84	706	600	430	534	1,192	225	8,541
1983	830	227	1,097	461	907	746	933	1,244	1,237	1,533	681	525	10,421
1984	1,578	3,201	1,166	1,261	908	1,076	1,247	2,392	1,003	1,737	656	1,165	17,390
1985	1,509	810	931	413	745	602	1,327	294	1,020	1,291	971	1,098	11,011
1986	776	928	758	1,167	1,199	2,287	3,273	2,377	1,632	954	1,425	854	17,630
1987	1,148	1,790	2,386	1,872	2,002	1,915	2,168	1,597	2,438	2,444	1,539	2,027	23,326
1988	2,549	1,960	2,940	2,422	3,357	2,240	2,625	3,087	1,757	4,434	2,283	2,223	31,877
1989	3,034	3,280	2,993	3,742	3,409	3,608	3,432	2,679	2,747	2,194	2,664	3,520	37,302

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Kerosine Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	0.2	0.1	0.4	0.0	0.2	0.3	0.0	7.2	5.2	0.0	8.2	4.0	**2.2**
1974	5.9	13.0	7.5	5.3	0.0	4.3	1.3	4.9	0.7	2.7	7.3	5.1	**4.8**
1975	9.6	8.4	3.5	0.0	1.4	0.0	0.0	2.6	0.5	3.2	4.7	1.8	**3.0**
1976	0.3	12.7	8.5	8.4	2.0	7.9	3.1	5.7	8.4	15.7	10.9	20.4	**8.7**
1977	36.4	53.3	25.9	8.1	13.9	14.6	17.6	28.3	18.5	4.2	0.0	8.4	**19.1**
1978	12.1	27.6	15.6	4.6	10.7	2.6	7.0	1.8	25.9	10.6	10.8	4.9	**11.2**
1979	13.3	18.1	9.3	0.0	0.0	9.8	11.8	0.0	1.6	14.9	8.4	21.6	**9.1**
1980	15.3	22.6	16.7	9.6	7.4	4.5	7.0	0.0	0.0	4.5	0.7	32.7	**10.1**
1981	14.1	1.7	7.5	1.7	0.0	0.0	0.0	10.8	8.9	6.3	18.8	9.5	**6.6**
1982	22.9	7.8	1.6	16.7	5.8	4.8	4.8	7.9	8.1	24.2	33.7	15.4	**12.8**
1983	1.1	1.4	2.6	18.7	12.0	0.2	17.4	8.0	10.0	11.5	24.1	18.7	**10.5**
1984	17.2	19.3	1.4	0.2	1.3	9.3	8.6	8.0	6.9	23.7	29.9	20.4	**12.2**
1985	10.3	12.1	3.9	0.2	1.7	4.6	0.6	8.7	0.0	10.9	16.3	22.7	**7.7**
1986	28.7	1.3	10.9	0.2	1.8	0.0	7.4	25.6	15.5	14.4	19.0	29.6	**12.9**
1987	33.1	36.4	9.5	8.6	2.6	4.4	11.5	17.6	13.4	30.5	12.1	29.4	**17.4**
1988	33.1	19.6	14.3	7.6	2.5	8.8	0.4	7.6	13.0	27.6	23.4	28.9	**15.6**
1989	33.6	5.3	3.0	1.6	1.0	0.5	0.4	0.4	0.7	13.4	15.8	6.1	**6.8**

Total Kerosine Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	6	4	12	0	6	8	0	224	156	0	245	124	**785**
1974	182	365	232	158	0	130	41	153	21	85	218	159	**1,744**
1975	293	234	107	0	42	0	0	80	15	98	141	57	**1,073**
1976	8	368	264	251	61	237	97	178	253	487	328	631	**3,163**
1977	1,128	1,493	803	242	432	437	546	877	556	130	0	261	**6,905**
1978	375	774	483	137	332	79	218	55	776	328	323	151	**4,031**
1979	411	507	287	0	0	294	366	0	49	463	252	669	**3,298**
1980	473	656	519	287	228	136	216	0	0	138	22	1,015	**3,690**
1981	437	48	232	50	0	0	0	336	268	196	563	293	**2,423**
1982	710	218	49	502	179	145	148	245	242	751	1,011	477	**4,677**
1983	33	40	81	560	372	7	539	249	301	358	722	580	**3,842**
1984	532	560	43	5	39	279	267	247	208	734	896	633	**4,443**
1985	318	340	121	5	53	139	19	269	1	339	490	703	**2,797**
1986	891	37	337	5	57	1	230	794	466	446	569	919	**4,752**
1987	1,025	1,020	293	258	81	132	357	545	403	944	364	912	**6,334**
1988	6	568	443	229	77	263	13	235	391	857	701	897	**4,680**
1989	1,042	148	94	48	30	15	11	12	21	414	474	189	**2,498**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Distillate Fuel Oil Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	364.2	731.2	602.3	240.2	267.8	222.0	318.4	287.6	313.3	450.9	492.3	439.2	**394.1**
1974	463.8	306.3	286.9	220.4	267.9	219.6	220.6	124.8	152.4	237.5	454.3	514.8	**289.1**
1975	334.0	301.9	255.2	109.9	136.3	69.1	103.8	92.1	129.5	104.3	96.5	138.1	**155.9**
1976	163.3	217.5	153.5	95.8	96.5	150.6	126.4	130.9	148.8	143.8	134.6	195.8	**146.5**
1977	347.2	664.3	547.1	153.0	98.6	134.7	190.5	161.4	168.7	149.8	188.3	227.1	**252.6**
1978	195.8	212.2	192.7	99.7	125.3	146.4	149.4	143.3	163.0	178.1	223.0	253.7	**173.6**
1979	225.9	195.6	175.9	150.4	185.5	179.6	224.5	217.6	125.5	211.4	234.7	229.3	**196.3**
1980	178.8	236.8	193.3	154.0	125.6	107.9	117.4	76.8	100.9	114.6	133.1	166.4	**142.1**
1981	273.4	324.6	147.3	116.1	178.8	224.9	178.7	174.2	129.1	118.6	124.5	95.0	**173.8**
1982	97.3	132.1	48.4	59.3	74.0	101.8	124.9	79.5	60.9	90.6	145.1	108.7	**93.6**
1983	68.2	58.5	42.4	73.2	146.7	178.7	266.6	301.5	258.9	260.2	203.0	220.5	**173.2**
1984	298.6	454.0	115.1	220.3	252.8	256.4	198.6	259.2	290.7	420.5	315.5	190.3	**272.7**
1985	271.5	143.0	155.9	253.3	197.1	151.9	95.3	81.5	222.5	261.5	280.4	286.7	**200.1**
1986	324.9	168.8	217.3	147.2	148.9	168.6	312.6	370.1	261.7	243.0	254.1	338.7	**246.3**
1987	222.2	253.0	296.9	191.5	202.8	265.4	380.6	222.0	221.5	237.0	187.5	377.6	**254.8**
1988	424.3	383.0	246.7	210.4	252.8	221.6	221.7	279.0	306.8	336.2	327.2	409.1	**301.6**
1989	346.3	330.6	438.9	301.3	289.5	232.7	334.4	254.5	249.2	260.9	306.9	324.5	**305.8**

Total Distillate Fuel Oil Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	11,289	20,474	18,672	7,207	8,301	6,660	9,370	8,915	9,399	13,978	14,769	13,615	**143,149**
1974	14,377	8,577	8,893	6,612	8,305	6,589	6,838	3,869	4,571	7,361	13,629	15,958	**105,579**
1975	10,355	8,453	7,911	3,297	4,225	2,072	3,219	2,854	3,885	3,232	2,894	4,281	**56,678**
1976	5,061	6,308	4,758	2,875	2,993	4,517	3,917	4,059	4,465	4,458	4,039	6,070	**53,520**
1977	10,763	18,601	16,960	4,591	3,057	4,042	5,907	5,003	5,061	4,645	5,648	7,040	**91,318**
1978	6,070	5,942	5,973	2,992	3,884	4,392	4,631	4,441	4,889	5,520	6,689	7,865	**63,288**
1979	7,002	5,477	5,453	4,512	5,750	5,387	6,960	6,745	3,765	6,552	7,042	7,109	**71,754**
1980	5,544	6,866	5,992	4,619	3,894	3,236	3,640	2,382	3,028	3,554	3,994	5,159	**51,908**
1981	8,475	9,090	4,567	3,483	5,542	6,746	5,539	5,400	3,872	3,678	3,734	2,944	**63,070**
1982	3,015	3,699	1,501	1,780	2,293	3,054	3,872	2,466	1,828	2,808	4,352	3,370	**34,038**
1983	2,115	1,638	1,314	2,197	4,547	5,362	8,265	9,346	7,766	8,066	6,090	6,836	**63,542**
1984	9,257	13,167	3,568	6,608	7,836	7,691	6,156	8,034	8,720	13,037	9,465	5,900	**99,439**
1985	8,413	4,004	4,834	7,600	6,110	4,558	2,954	2,526	6,675	8,107	8,413	8,889	**73,088**
1986	10,071	4,727	6,736	4,417	4,615	5,057	9,692	11,474	7,850	7,534	7,622	10,501	**90,296**
1987	6,888	7,084	9,203	5,745	6,288	7,963	11,800	6,882	6,646	7,348	5,624	11,705	**93,176**
1988	13,154	11,107	7,648	6,313	7,838	6,649	6,872	8,648	9,204	10,423	9,817	12,681	**110,354**
1989	10,734	9,257	13,606	9,039	8,975	6,981	10,366	7,888	7,475	8,088	9,207	10,058	**111,674**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Residual Fuel Oil Imports
Total U.S.
Thousands of barrels per day

	January	February	~~March~~	April	May	June	July	August	September	October	November	December	Annual Average
1973	2,019.1	2,146.8	2,195.5	1,705.3	1,668.0	1,760.8	1,597.4	1,913.3	1,849.0	1,597.1	1,978.8	1,825.6	**1,854.7**
1974	1,733.1	1,904.0	1,713.5	1,592.8	1,362.3	1,499.6	1,473.9	1,519.9	1,421.5	1,465.4	1,752.7	1,630.2	**1,589.1**
1975	1,657.2	1,402.5	1,292.7	1,053.9	1,160.2	902.4	1,124.6	1,020.7	1,310.7	1,251.4	1,225.4	1,283.1	**1,223.7**
1976	1,455.1	1,773.7	1,342.3	1,257.6	1,133.9	1,228.6	1,455.1	1,307.1	1,451.7	1,269.5	1,474.5	1,827.7	**1,414.7**
1977	1,614.5	1,996.1	1,447.9	1,13[illegible].9	1,144.5	1,180.6	1,270.9	1,440.8	1,457.9	1,217.7	1,093.7	1,347.8	**1,362.7**
1978	1,380.2	1,581.8	1,709.8	1,574.6	1,231.1	1,031.4	1,295.0	1,275.0	1,318.1	1,120.5	1,352.5	1,409.5	**1,356.6**
1979	1,370.8	1,300.0	1,641.7	1,133.9	1,050.7	879.9	1,064.5	1,022.8	979.3	1,041.7	1,046.1	1,277.7	**1,150.8**
1980	1,338.8	1,122.0	976.3	775.2	811.9	749.3	787.4	874.5	905.8	875.3	1,024.3	1,025.4	**938.9**
1981	1,015.4	954.0	699.2	583.8	741.2	540.4	829.9	819.1	841.2	785.6	880.2	915.9	**800.5**
1982	831.1	956.3	912.3	788.2	741.7	651.5	656.5	550.4	872.2	782.8	836.3	747.0	**777.2**
1983	690.6	646.9	686.2	753.4	737.8	677.2	684.3	739.4	706.1	638.5	780.0	648.9	**699.1**
1984	1,059.0	1,151.4	635.6	650.6	564.9	684.6	597.2	572.4	605.9	460.7	585.0	627.5	**682.9**
1985	567.7	579.6	477.4	382.9	393.8	400.3	437.2	423.9	617.5	541.5	627.5	681.3	**510.9**
1986	622.0	604.3	626.4	545.4	674.6	712.1	673.4	793.4	641.4	634.5	574.2	912.6	**667.8**
1987	700.9	668.1	558.9	475.8	504.6	480.9	720.7	512.3	526.4	414.2	567.5	650.2	**565.0**
1988	805.1	900.6	650.3	495.4	431.9	336.2	479.3	581.0	697.9	603.4	784.8	975.3	**645.1**
1989	909.3	876.6	705.9	681.2	538.4	533.3	556.3	501.5	454.0	583.2	542.6	680.2	**630.2**

Total Residual Fuel Oil Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	62,591	60,111	68,062	51,160	51,707	52,824	49,518	59,313	55,471	49,509	59,365	56,594	**676,225**
1974	53,727	53,313	53,118	47,785	42,232	44,989	45,691	47,117	42,644	45,426	52,580	50,535	**579,157**
1975	51,374	39,269	40,074	31,618	35,965	27,071	34,863	31,641	39,322	38,792	36,762	39,777	**446,528**
1976	45,109	51,438	41,610	37,728	35,152	36,859	45,108	40,519	43,552	39,356	44,234	56,660	**51[illegible],325**
1977	50,050	55,892	44,884	34,196	35,480	35,417	39,399	44,666	43,738	37,749	32,811	41,783	**49[illegible],065**
1978	42,785	44,290	53,005	47,237	38,163	30,941	40,145	39,525	39,544	34,737	40,575	43,693	**494,640**
1979	42,494	36,400	50,892	34,018	32,571	26,398	33,000	31,708	29,378	32,292	31,383	39,610	**420,144**
1980	41,504	32,537	30,266	23,257	25,169	22,479	24,410	27,110	27,173	27,135	30,730	31,787	**343,557**
1981	31,476	26,712	21,674	17,513	22,978	16,211	25,726	25,391	25,236	24,353	26,406	28,393	**292,069**
1982	25,763	26,776	28,281	23,647	22,994	19,546	20,353	17,062	26,166	24,267	25,089	23,157	**283,101**
1983	21,409	18,114	21,273	22,602	22,872	20,317	21,213	22,922	21,182	19,793	23,401	20,115	**255,213**
1984	32,830	33,392	19,703	19,518	17,512	20,538	18,513	17,745	18,178	14,282	17,550	19,451	**249,212**
1985	17,600	16,230	14,800	11,488	12,209	12,009	13,552	13,140	18,525	16,785	18,825	21,120	**186,283**
1986	19,283	16,919	19,417	16,361	20,912	21,363	20,875	24,596	19,242	19,670	17,225	28,290	**244,153**
1987	21,728	18,706	17,327	14,273	15,642	14,427	22,341	15,881	15,792	12,841	17,025	20,155	**206,138**
1988	24,959	26,116	20,160	14,861	13,390	10,086	14,858	18,012	20,937	18,704	23,543	30,234	**235,860**
1989	28,187	24,546	21,884	20,437	16,689	15,998	17,245	15,546	13,620	18,079	16,278	21,086	**229,595**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Liquified Petroleum Gases & Ethane Imports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	203.7	189.9	147.0	89.9	113.3	75.8	86.5	129.5	98.7	148.7	170.7	127.2	**131.7**
1974	205.8	171.1	119.9	113.0	117.2	119.8	85.1	82.8	76.5	109.1	117.3	163.5	**123.4**
1975	178.6	115.6	95.5	101.8	38.0	92.5	98.1	81.7	120.7	139.0	130.0	147.6	**111.6**
1976	155.6	142.8	125.4	85.0	89.5	114.2	88.5	108.2	106.9	172.3	177.2	189.5	**129.6**
1977	196.9	221.3	191.5	137.0	135.6	168.9	125.5	167.4	111.1	122.6	150.7	212.1	**161.7**
1978	170.5	171.1	113.2	80.2	94.4	98.8	112.2	81.3	94.0	104.1	112.3	242.9	**122.9**
1979	240.5	238.5	238.3	149.4	241.9	162.0	230.7	225.8	184.4	180.9	253.7	258.1	**217.0**
1980	263.7	251.9	214.2	186.3	180.6	184.0	171.8	157.6	213.4	249.1	231.1	289.5	**216.1**
1981	306.5	327.3	259.9	213.6	189.4	205.9	212.6	194.9	199.3	287.1	280.3	255.4	**244.4**
1982	313.6	290.5	223.0	187.7	186.1	192.5	227.2	125.2	247.1	194.3	266.7	258.3	**226.0**
1983	239.7	304.5	166.3	123.5	166.6	172.2	191.5	159.8	178.1	160.3	179.9	247.3	**190.8**
1984	269.4	236.9	240.9	155.4	210.8	157.9	131.6	153.7	127.7	206.7	211.8	237.1	**195.0**
1985	255.1	236.8	223.2	156.0	137.8	180.9	130.8	152.9	132.1	208.5	187.5	238.9	**186.7**
1986	280.4	208.4	201.7	134.0	196.3	253.2	302.6	270.8	281.7	233.5	309.8	227.4	**241.7**
1987	183.1	191.5	131.5	149.2	142.5	119.3	190.0	197.6	287.8	233.0	232.8	213.5	**189.3**
1988	226.1	244.6	164.5	204.7	165.1	143.7	233.0	241.4	194.5	216.1	257.8	222.2	**209.5**
1989	239.0	260.1	150.4	120.8	110.5	155.1	192.0	202.4	181.7	176.3	178.7	204.7	**181.0**

Total Liquified Petroleum Gases & Ethane Imports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	6,315	5,317	4,558	2,697	3,511	2,273	2,683	4,014	2,961	4,610	5,120	3,943	**48,002**
1974	6,381	4,790	3,716	3,389	3,633	3,594	2,637	2,567	2,296	3,381	3,518	5,069	**44,971**
1975	5,538	3,237	2,962	3,053	1,179	2,776	3,042	2,533	3,622	4,308	3,900	4,577	**40,727**
1976	4,824	4,140	3,886	2,551	2,773	3,425	2,744	3,353	3,208	5,342	5,315	5,875	**47,436**
1977	6,105	6,197	5,938	4,111	4,203	5,066	3,889	5,189	3,332	3,801	4,522	6,574	**58,927**
1978	5,286	4,791	3,509	2,406	2,926	2,964	3,477	2,520	2,821	3,226	3,370	7,531	**44,827**
1979	7,455	6,677	7,386	4,482	7,498	4,860	7,153	7,000	5,533	5,607	7,612	8,000	**79,263**
1980	8,174	7,304	6,640	5,588	5,600	5,521	5,326	4,886	6,402	7,722	6,933	8,973	**79,069**
1981	9,500	9,164	8,058	6,409	5,872	6,176	6,591	6,041	5,979	8,900	8,409	7,916	**89,015**
1982	9,722	8,135	6,913	5,631	5,770	5,774	7,042	3,880	7,413	6,024	8,001	8,006	**82,311**
1983	7,432	8,527	5,156	3,706	5,166	5,167	5,935	4,955	5,344	4,969	5,398	7,665	**69,420**
1984	8,350	6,871	7,467	4,662	6,536	4,738	4,080	4,765	3,832	6,407	6,355	7,349	**71,412**
1985	7,908	6,629	6,919	4,680	4,273	5,427	4,054	4,740	3,963	6,464	5,626	7,406	**68,089**
1986	8,691	5,835	6,254	4,019	6,085	7,596	9,380	8,396	8,451	7,239	9,294	7,050	**88,290**
1987	5,677	5,363	4,078	4,476	4,417	3,578	5,889	6,127	8,634	7,223	6,983	6,620	**69,065**
1988	7,010	7,093	5,101	6,141	5,118	4,311	7,223	7,483	5,834	6,700	7,735	6,889	**76,638**
1989	7,410	7,283	4,662	3,623	3,424	4,652	5,952	6,275	5,452	5,465	5,361	6,345	**65,904**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Imports from OPEC Nations
Crude Oil (Including SPR*)
Thousands of barrels

	1977	1978	1979	1980	1981	1982
Algeria	198,468	231,253	222,042	166,980	95,165	32,714
Ecuador	20,229	13,910	11,010	6,129	13,967	11,788
Gabon	12,632	13,841	15,328	9,062	12,633	14,429
Indonesia	184,984	194,620	138,528	114,990	116,126	82,315
Iran	193,415	202,357	108,269	3,086	0	12,854
Iraq	26,894	22,673	32,052	10,328	0	974
Kuwait	15,434	1,718	1,898	9,712	0	904
Libya	256,984	232,897	234,173	200,406	115,572	8,452
Nigeria	412,498	332,035	390,116	307,840	222,981	186,329
Qatar	24,281	23,224	11,450	7,920	2,665	2,600
Saudi Arabia	501,072	416,910	491,514	457,671	406,059	193,536
United Arab Emirates	121,640	140,653	102,709	63,052	27,950	29,509
Venezuela	91,331	66,125	106,794	56,950	53,590	56,434
Total OPEC	**2,059,862**	**1,892,216**	**1,865,883**	**1,414,126**	**1,066,708**	**632,838**
% Total U.S. crude imports (incl. SPR*)	**85.3**	**81.6**	**78.4**	**73.4**	**66.5**	**49.7**

	1984	1985	1986	1987	1988	1989
Algeria	71,074	30,524	28,423	41,932	21,123	21,841
Ecuador	17,066	20,334	23,408	8,217	12,240	29,208
Gabon	20,838	18,797	8,959	12,655	5,664	17,774
Indonesia	111,404	106,654	108,376	95,775	68,127	57,636
Iran	3,706	9,919	7,078	35,942	25	0
Iraq	4,554	16,889	29,401	29,842	125,515	161,017
Kuwait	8,780	1,316	10,106	25,630	31,018	56,536
Libya	0	0	0	0	0	0
Nigeria	75,669	102,134	159,683	193,004	222,094	292,165
Qatar	1,497	0	4,365	0	0	767
Saudi Arabia	113,078	48,044	225,627	234,213	331,831	407,236
United Arab Emirates	32,966	12,760	13,806	20,602	8,270	7,513
Venezuela	92,728	111,627	151,937	178,163	160,747	180,598
Total OPEC	**553,360**	**478,998**	**771,169**	**875,975**	**986,654**	**1,232,291**
% Total U.S. crude imports (incl. SPR*)	**44.1**	**41.0**	**50.6**	**51.3**	**52.8**	**57.8**

* Strategic Petroleum Reserve

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Imports from OPEC Nations
Total Refined Products
Thousands of barrels

	1981	**1982**	**1983**	**1984**	**1985**	**1986**	**1987**	**1988**	**1989**
Algeria	18,198	29,223	23,268	47,186	37,715	70,502	65,685	88,718	76,180
Ecuador	3,732	3,518	1,846	3,102	4,274	4,836	2,503	5,074	3,425
Gabon	0	117	0	306	291	463	0	323	364
Indonesia	17,520	8,323	8,332	14,241	7,803	7,866	8,199	6,822	9,292
Iran	0	0	0	0	0	0	0	0	0
Iraq	0	0	0	0	0	210	379	930	3,005
Kuwait	0	982	2,351	4,356	6,341	14,758	5,039	4,121	790
Libya	969	908		213	1,629	0	0	0	0
Nigeria	3,437	1,286	408	3,294	4,693	1,047	2,269	4,076	5,386
Qatar	0	0	2	202	100	357	0	0	0
Saudi Arabia	6,135	7,927	5,766	5,811	13,141	24,364	40,004	59,391	39,638
United Arab Emirates	1,700	4,154	4,474	9,862	3,837	2,237	1,598	2,202	2,796
Venezuela	94,620	93,881	94,182	107,840	109,139	137,532	115,403	129,891	137,947
Total OPEC	**146,311**	**150,319**	**140,629**	**196,413**	**188,963**	**264,172**	**241,079**	**301,548**	**278,823**
% Total U.S. product imports	**25.1**	**25.3**	**22.4**	**26.7**	**27.7**	**35.4**	**33.0**	**35.9**	**34.5**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Crude Oil Imports
Including Strategic Petroleum Reserve
By Country of Origin
Thousands of barrels

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria *	222,042	166,980	95,165	32,714	64,274	71,074	30,524	28,423	41,932	21,123	21,841
Angola	14,088	13,389	16,528	15,248	25,763	31,172	37,889	37,076	65,657	74,325	101,943
Australia	NA	NA	NA	NA	0	9,177	7,557	10,973	17,952	21,669	11,237
Canada	99,081	73,002	59,904	78,041	100,142	124,687	170,800	208,163	221,981	249,077	230,043
China	4,874	0	0	2,824	2,100	5,615	13,027	24,754	22,953	30,092	27,712
Colombia	0	0	0	0	0	0	0	20,715	41,809	38,640	49,615
Congo	909	2,658	1,276	456	6,616	12,226	5,962	7,188	5,960	10,747	3,997
Ecuador *	11,010	6,129	13,967	11,788	20,594	17,066	20,334	23,408	8,217	12,240	29,208
Gabon *	15,328	9,062	12,633	14,429	21,415	20,838	18,797	8,959	12,655	5,664	17,774
Indonesia *	138,528	114,990	116,126	82,315	115,156	111,404	106,654	108,376	95,775	68,127	57,636
Iran *	108,269	3,086	0	12,854	17,575	3,706	9,919	7,078	35,942	25	0
Iraq *	32,052	10,328	0	974	3,758	4,554	16,889	29,401	29,842	125,515	161,017
Libya *	234,173	200,406	115,572	8,452	NA	0	0	0	0	0	0
Malaysia	18,954	22,213	12,143	6,574	930	0	301	3,883	4,464	6,868	14,079
Mexico	158,908	185,541	171,363	235,298	279,703	241,054	261,019	226,533	219,552	246,545	261,244
Nigeria *	390,116	307,840	222,981	186,329	109,807	75,669	102,134	159,683	193,004	222,094	292,165
Norway	27,523	52,727	41,542	37,299	23,836	40,927	11,311	19,403	25,395	22,570	46,390
Oman	13,466	8,693	8,702	8,183	12,281	3,755	655	2,897	12,831	2,439	6,671
Peru	14,746	14,728	10,813	7,725	3,062	224	4,371	3,372	379	1,849	359
Saudi Arabia *	491,514	457,671	406,059	193,536	117,325	113,078	48,044	225,627	234,213	331,831	407,236
Trinidad & Tobago	44,950	42,011	37,186	33,541	30,207	31,939	35,595	34,060	27,408	26,119	26,815
United Arab Emirates *	102,709	63,052	27,950	29,509	6,641	32,966	12,760	13,806	20,602	8,270	7,513
United Kingdom	71,923	63,459	134,766	161,061	133,142	138,246	101,552	115,659	111,060	92,910	58,246
Venezuela *	106,794	56,950	53,590	56,434	59,854	92,728	111,627	151,937	178,163	160,747	180,598
Zaire	1,379	4,690	5,977	6,914	8,158	11,460	12,569	9,490	8,128	11,470	9,493
Other	56,205	46,557	40,461	50,716	52,886	60,384	28,007	44,114	70,048	78,049	109,929
Total U.S. Imports	**2,379,541**	**1,926,162**	**1,604,704**	**1,273,214**	**1,215,225**	**1,253,949**	**1,168,297**	**1,524,978**	**1,705,922**	**1,869,005**	**2,132,761**

* OPEC member.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Refined Product Imports
By Country of Origin
Thousands of barrels

	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria *	18,198	29,223	23,268	47,186	37,715	70,502	65,685	88,718	76,180
Angola	1,404	927	2,729	1,853	2,090	3,771	4,517	3,120	1,606
Australia	1,714	1,804	1,454	4,579	5,811	4,064	3,254	1,595	1,738
Bahamas	27,081	23,667	45,581	32,364	14,561	13,416	13,441	11,690	12,235
Brazil	3,417	10,269	14,304	22,032	22,251	18,254	30,671	35,947	29,862
Canada	103,301	97,973	99,567	105,837	110,250	86,250	87,570	116,693	109,906
China	6,631	11,921	10,205	11,255	8,461	573	7,065	2,045	1,527
Ecuador *	3,732	3,518	1,846	3,102	4,274	4,836	2,503	5,074	3,425
France	2,126	730	645	2,159	4,422	4,862	3,095	7,833	5,488
Indonesia *	17,520	8,323	8,332	14,241	7,803	7,866	8,199	6,822	9,292
Italy	0	0	0	0	0	27,659	19,499	21,859	11,319
Kuwait *	0	982	2,351	4,356	6,341	14,758	5,039	4,121	790
Mexico	19,348	14,675	21,959	32,773	36,783	28,457	19,416	26,825	18,724
Netherlands	10,896	12,727	22,838	22,630	21,210	19,651	22,066	22,255	17,870
Netherlands Antilles	71,974	63,806	68,916	68,812	14,720	9,273	10,487	13,079	15,316
Peru	1,516	5,842	8,254	6,487	3,932	7,333	9,875	10,336	10,590
Puerto Rico	22,647	18,150	14,498	15,210	10,240	7,817	7,829	8,164	11,661
Romania	2,526	2,195	10,755	16,868	18,245	19,393	19,706	21,132	9,434
Saudi Arabia *	6,135	7,927	5,766	5,811	13,141	24,364	40,004	59,391	39,638
Spain	465	1,166	634	3,938	10,454	19,417	20,019	24,900	24,355
Trinidad & Tobago	11,363	7,415	4,912	2,581	5,534	11,477	11,464	9,515	7,667
United Arab Emirates *	1,700	4,154	4,474	9,862	3,837	2,237	1,598	2,202	2,796
United Kingdom	2,091	5,264	6,450	8,928	11,512	12,182	17,456	22,534	20,392
Venezuela *	94,620	93,881	94,182	107,840	109,139	137,532	115,403	129,891	137,947
Virgin Islands	119,365	115,399	102,969	107,645	90,206	88,894	99,434	88,481	117,081
Other	186,217	51,206	51,630	77,638	108,278	101,766	86,142	95,913	112,499
Total U.S. Imports	**735,987**	**593,144**	**628,519**	**735,987**	**681,210**	**746,604**	**731,437**	**840,135**	**809,338**

* OPEC member.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Crude Oil and Natural Gas Liquids Imports
Thousands of barrels per day

	Canada	France	Italy	Japan	Netherlands	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981	521.5	1,929.8	1,841.2	3,992.6	785.4	746.7	5,121.6	1,613.5	3,520.6	**20,072.9**
1982	339.3	1,639.7	1,734.2	3,755.6	763.4	684.3	4,257.8	1,470.8	3,257.5	**17,902.5**
1983	246.9	1,448.3	1,552.2	3,626.2	830.6	624.9	4,071.0	1,324.7	3,097.6	**16,822.4**
1984	244.8	1,485.5	1,527.7	3,724.9	919.3	652.2	4,278.0	1,353.6	3,083.1	**17,269.2**
1985	282.7	1,517.5	1,481.5	3,456.8	830.9	726.0	4,038.6	1,302.1	2,928.8	**16,565.0**
1986	357.7	1,444.7	1,663.5	3,386.1	973.1	832.9	5,104.8	1,350.2	3,434.7	**18,547.5**
1987	406.7	1,389.1	1,596.9	3,225.4	1,002.2	837.4	5,580.1	1,294.1	3,391.6	**18,723.6**
1988*	448.3	1,492.2	1,536.4	3,371.4	1,000.5	914.0	5,931.2	1,444.0	3,371.0	**19,509.2**

Total Refined Products Imports
Thousands of barrels per day

	Canada	France	Italy	Japan	Netherlands	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981	48.3	223.9	270.0	543.2	548.1	156.3	880.9	653.1	1,278.7	**4,602.4**
1982	38.9	322.4	309.5	596.5	615.0	209.2	898.1	696.7	1,364.9	**5,051.3**
1983	49.1	370.1	276.6	619.1	610.0	168.6	1,016.4	791.0	1,367.4	**5,268.2**
1984	89.7	396.1	296.4	677.1	495.9	407.7	1,209.4	793.3	1,250.0	**5,615.6**
1985	86.0	319.9	349.5	694.3	602.2	219.0	1,130.1	875.0	1,259.3	**5,535.3**
1986	113.8	398.3	292.0	820.3	670.3	194.1	1,289.8	1,017.7	1,332.4	**6,128.5**
1987	141.8	458.5	394.6	1,006.1	567.0	139.7	1,269.8	984.2	2,426.4	**7,388.1**
1988*	147.3	369.5	345.4	1,057.8	582.1	133.8	1,369.0	860.4	2,433.1	**7,298.4**

* 1988 is most current data available in Oil & Gas Journal Energy Database.

Note: Data are converted from IEA figures in thousands of tonnes. U.S. figures differ from those reported elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Crude Oil and Refined Products Imports
Total OECD
Thousands of barrels per day

	Crude Oil & NGL	Total Refined Products	Total Gasoline	Gas Oil/ Diesel Oil	Heavy (Residual) Fuel Oil	Other Refined Products
1981						
1st Qtr.	21,581.3	4,457.1	565.4	1,127.5	1,652.1	1,112.2
2nd Qtr.	19,641.1	4,135.5	616.5	969.6	1,460.0	1,089.4
3rd Qtr.	19,019.0	4,833.5	663.0	1,278.9	1,806.5	1,085.1
4th Qtr.	20,050.3	4,983.3	579.3	1,375.2	1,855.7	1,173.1
1982						
1st Qtr.	18,581.2	5,047.6	558.5	1,305.0	1,984.5	1,199.7
2nd Qtr.	17,328.5	4,769.7	701.8	1,147.8	1,750.9	1,169.1
3rd Qtr.	17,745.4	4,973.8	726.8	1,237.5	1,766.2	1,243.4
4th Qtr.	17,955.0	5,414.1	730.3	1,462.5	1,912.5	1,308.8
1983						
1st Qtr.	15,871.8	5,156.0	703.8	1,484.9	1,751.8	1,215.5
2nd Qtr.	15,961.3	5,323.7	851.6	1,458.0	1,770.9	1,243.3
3rd Qtr.	17,522.6	5,096.7	809.4	1,440.6	1,681.2	1,165.4
4th Qtr.	17,933.9	5,496.6	797.6	1,639.8	1,729.4	1,329.8
1984						
1st Qtr.	17,796.9	5,453.4	825.4	1,571.3	1,800.4	1,256.4
2nd Qtr.	17,587.9	5,620.9	918.1	1,468.7	1,854.7	1,379.4
3rd Qtr.	16,728.6	5,627.8	883.6	1,597.5	1,813.3	1,333.3
4th Qtr.	16,963.4	5,760.4	849.7	1,686.9	1,845.6	1,378.2
1985						
1st Qtr.	16,710.1	5,383.9	853.6	1,512.[illegible]	1,812.7	1,204.7
2nd Qtr.	15,475.4	5,265.0	1,056.4	1,498.[illegible]	1,388.9	1,321.0
3rd Qtr.	16,260.4	5,672.9	997.9	1,819.3	1,518.6	1,337.0
4th Qtr.	17,814.1	5,819.4	972.4	1,876.9	1,600.4	1,369.7
1986						
1st Qtr.	17,556.9	5,636.0	885.4	1,963.5	1,427.7	1,359.4
2nd Qtr.	18,010.8	6,380.4	1,187.4	2,153.4	1,642.3	1,397.3
3rd Qtr.	20,025.3	6,437.2	1,199.2	1,940.3	1,817.0	1,480.7
4th Qtr.	18,597.1	6,060.4	1,064.3	1,660.0	1,706.3	1,629.8
1987						
1st Qtr.	17,933.2	7,309.6	1,072.4	1,956.6	1,560.9	2,719.7
2nd Qtr.	17,609.3	7,002.8	1,156.5	1,713.2	1,445.3	2,687.9
3rd Qtr.	19,520.0	7,575.7	1,203.8	1,887.1	1,620.6	2,864.2
4th Qtr.	19,831.8	7,664.0	1,236.9	1,930.0	1,496.0	3,001.1
1988*						
1st Qtr.	18,816.3	7,179.6	1,060.9	1,850.2	1,546.1	2,722.5
2nd Qtr.	19,106.5	6,942.6	1,285.8	1,595.5	1,369.0	2,692.3
3rd Qtr.	19,578.5	7,250.2	1,375.5	1,724.8	1,431.8	2,718.1
4th Qtr.	20,535.4	7,821.0	1,149.9	2,008.9	1,625.2	3,037.0

* 1988 is most current data available in Oil & Gas Journal Energy Database.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Total U.S. Crude Oil Exports
Thousands of barrels per day

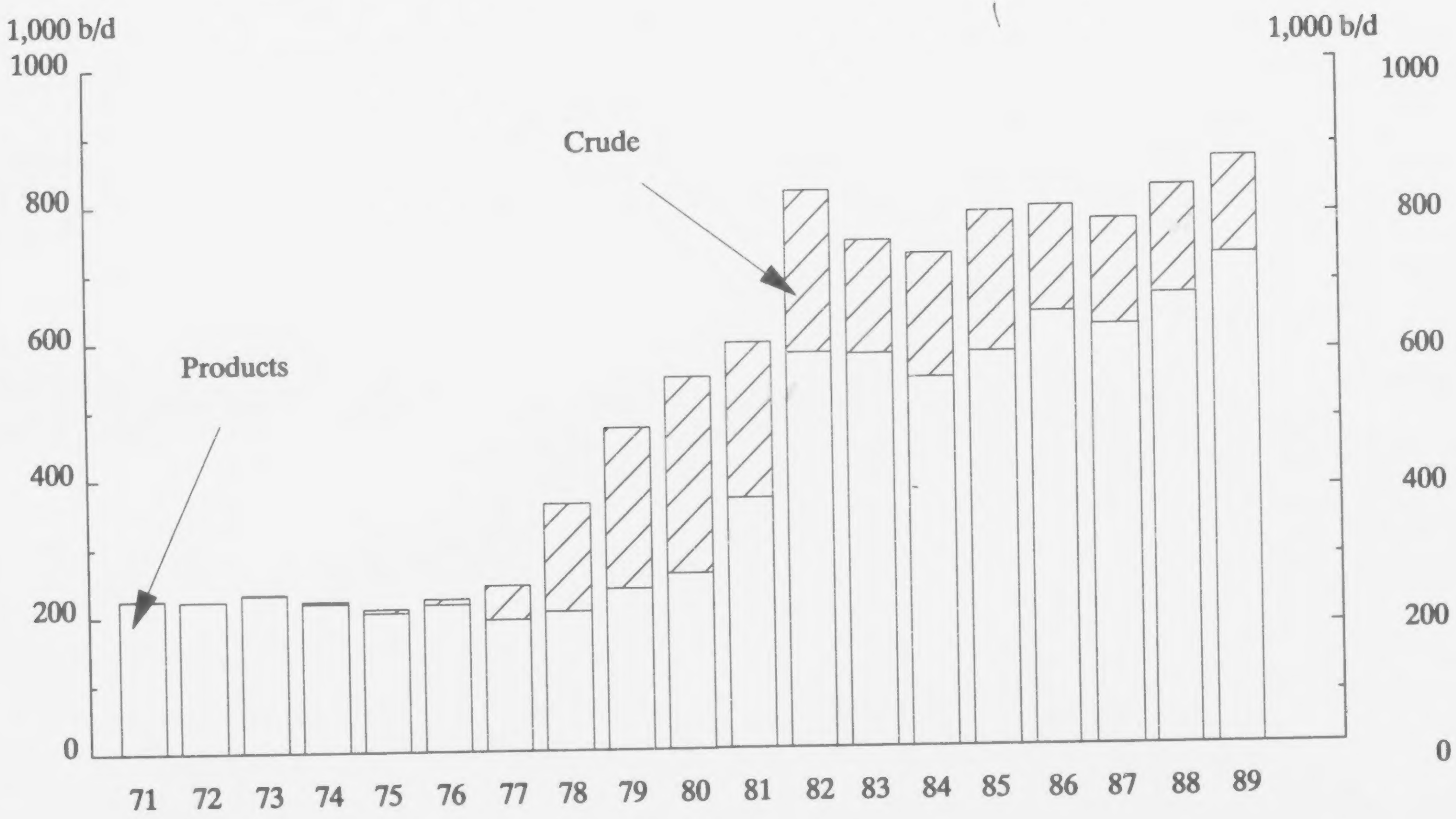
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	0.0	0.0	0.0	0.0	4.1	0.0	7.5	0.0	5.3	0.0	0.0	5.7	**1.9**
1974	17.2	10.0	0.0	0.5	6.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	**3.0**
1975	27.0	33.6	11.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**6.0**
1976	0.0	0.0	1.5	0.0	0.0	0.0	0.0	12.3	0.0	18.2	30.0	33.9	**8.0**
1977	13.3	59.0	32.1	16.8	89.0	9.7	53.1	36.9	90.6	85.3	45.2	68.7	**50.0**
1978	98.3	8.1	59.8	91.6	123.7	195.0	137.9	181.8	251.2	271.5	217.8	250.5	**157.3**
1979	176.9	288.4	369.6	259.7	171.4	234.6	244.5	244.9	174.7	178.6	264.2	215.3	**235.2**
1980	321.8	331.5	329.6	192.3	325.7	365.3	237.6	77.8	321.6	309.2	289.0	342.6	**287.0**
1981	338.6	198.0	210.3	197.7	312.2	123.3	257.3	203.9	193.8	225.7	277.9	188.9	**227.3**
1982	238.2	304.3	321.0	174.5	261.6	94.0	229.2	303.8	184.1	270.5	262.0	192.6	**236.3**
1983	116.9	262.1	173.5	87.7	280.3	143.5	145.0	172.0	177.2	139.9	185.6	94.7	**164.9**
1984	152.9	184.7	235.6	171.6	218.8	222.2	107.8	189.9	161.5	141.0	202.0	185.1	**181.1**
1985	144.5	220.8	189.0	235.6	249.9	225.5	153.9	241.3	188.2	123.2	286.4	196.9	**204.6**
1986	158.6	161.5	212.2	94.3	98.4	240.2	65.2	233.0	161.0	150.7	114.7	158.6	**154.0**
1987	83.7	283.6	149.8	247.0	68.5	115.6	148.9	141.3	115.9	83.6	163.6	219.6	**151.8**
1988	206.4	145.7	212.8	114.4	138.2	137.6	186.0	152.1	119.1	166.4	147.6	129.2	**154.6**
1989	136.6	208.5	156.3	139.5	130.7	243.3	69.2	161.5	32.0	60.7	119.7	246.6	**142.1**

Total U.S. Crude Oil Exports
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	0	0	0	0	128	0	232	0	160	0	0	177	**697**
1974	534	281	0	15	200	44	0	0	0	0	0	0	**1,074**
1975	836	942	349	19	0	0	0	0	0	0	0	0	**2,146**
1976	0	0	45	0	1	0	0	380	0	563	900	1,052	**2,941**
1977	412	1,651	995	505	2,760	292	1,646	1,145	2,719	2,645	1,355	2,130	**18,255**
1978	3,048	226	1,855	2,749	3,834	5,851	4,276	5,636	7,536	8,418	6,533	7,766	**57,728**
1979	5,484	8,076	11,458	7,790	5,314	7,038	7,579	7,592	5,241	5,537	7,925	6,673	**85,707**
1980	9,975	9,614	10,218	5,770	10,097	10,960	7,367	2,412	9,647	9,586	8,669	10,620	**104,935**
1981	10,496	5,543	6,519	5,931	9,679	3,698	7,976	6,320	5,813	6,996	8,338	5,857	**83,166**
1982	7,383	8,521	9,950	5,234	8,111	2,819	7,105	9,419	5,524	8,384	7,859	5,970	**86,279**
1983	3,625	7,338	5,379	2,630	8,688	4,306	4,494	5,333	5,315	4,336	5,567	2,937	**59,948**
1984	4,739	5,355	7,304	5,147	6,782	6,665	3,341	5,886	4,846	4,371	6,061	5,737	**66,234**
1985	4,478	6,181	5,858	7,069	7,747	6,766	4,772	7,479	5,645	3,820	8,593	6,105	**74,513**
1986	4,918	4,523	6,577	2,829	3,049	7,206	2,021	7,222	4,829	4,673	3,441	4,917	**56,205**
1987	2,595	7,940	4,645	7,409	2,125	3,468	4,616	4,380	3,478	2,592	4,907	6,809	**54,964**
1988	6,399	4,226	6,598	3,433	4,285	4,128	5,765	4,715	3,573	5,157	4,429	4,006	**56,714**
1989	4,234	5,838	4,846	4,184	4,051	7,300	2,144	5,007	961	1,882	3,591	7,645	**51,683**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Crude and Products Exports



Source: EIA

Total U.S. Products Exports
(Including Unfinished)
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	210.6	261.0	224.2	275.6	233.3	215.4	233.3	218.2	237.7	222.0	202.6	222.1	**229.7**
1974	189.5	192.8	195.6	242.8	240.1	236.9	253.2	247.2	170.9	220.9	186.5	231.1	**217.3**
1975	201.1	214.4	201.8	189.8	202.4	224.4	185.7	202.9	205.3	187.0	165.9	261.6	**203.5**
1976	155.8	241.3	183.2	222.0	179.4	212.8	242.5	207.7	195.9	179.6	317.8	245.5	**215.3**
1977	178.7	175.4	174.7	206.5	199.2	215.2	200.5	192.8	203.4	169.8	190.0	205.6	**192.7**
1978	158.2	200.2	208.8	245.4	189.3	203.6	191.9	229.0	225.7	197.3	190.9	204.8	**203.8**
1979	215.5	197.5	241.2	233.8	257.5	233.2	241.5	221.4	239.0	246.5	245.5	256.2	**235.7**
1980	227.9	226.8	243.3	241.4	265.5	288.8	293.0	240.7	235.3	288.3	259.8	279.5	**257.5**
1981	219.3	371.2	375.8	372.1	282.8	297.1	314.1	440.0	325.5	512.2	422.8	466.6	**366.6**
1982	590.7	499.5	561.1	611.0	541.9	609.1	511.8	553.8	606.4	661.5	524.1	667.3	**578.2**
1983	856.4	603.3	627.3	721.4	568.1	630.5	426.4	491.2	507.2	436.1	493.7	544.1	**575.5**
1984	422.4	397.2	607.7	483.4	547.5	642.0	428.5	542.1	502.3	458.4	652.2	800.6	**540.4**
1985	647.3	636.2	504.5	527.9	455.5	466.5	521.3	507.5	617.8	567.0	750.0	728.4	**577.5**
1986	700.1	714.5	519.6	755.7	625.3	401.4	620.1	634.8	553.3	679.8	706.0	661.2	**631.0**
1987	619.2	693.5	570.0	623.5	597.3	553.7	531.3	522.8	679.6	562.1	573.2	837.7	**613.7**
1988	678.6	718.2	621.5	561.5	675.6	800.2	640.0	661.4	553.5	566.0	569.3	879.0	**660.4**
1989	624.0	666.3	703.8	670.4	660.8	731.5	710.9	805.0	623.4	730.1	854.9	820.6	**716.8**

Total U.S. Products Exports
(Including Unfinished)
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	6,529	7,307	6,950	8,267	7,231	6,463	7,231	6,763	7,130	6,883	6,077	6,885	**83,716**
1974	5,874	5,399	6,064	7,285	7,443	7,108	7,849	7,664	5,126	6,847	5,594	7,164	**79,417**
1975	6,234	6,002	6,257	5,694	6,275	6,733	5,756	6,289	6,159	5,796	4,977	8,110	**74,282**
1976	4,829	6,997	5,680	6,660	5,561	6,383	7,517	6,440	5,877	5,568	9,534	7,612	**78,658**
1977	5,541	4,912	5,416	6,196	6,176	6,457	6,217	5,977	6,102	5,264	5,700	6,375	**70,333**
1978	4,905	5,605	6,473	7,361	5,867	6,107	5,949	7,099	6,771	6,116	5,727	6,349	**74,329**
1979	6,680	5,530	7,478	7,014	7,982	6,995	7,488	6,862	7,171	7,641	7,366	7,942	**86,149**
1980	7,066	6,576	7,542	7,242	8,232	8,665	9,083	7,462	7,058	8,937	7,795	8,663	**94,321**
1981	6,798	10,393	11,651	11,162	8,768	8,914	9,736	13,641	9,765	15,879	12,685	14,464	**133,856**
1982	18,311	13,986	17,393	18,330	16,798	18,274	15,867	17,167	18,193	20,506	15,723	20,687	**211,235**
1983	26,549	16,892	19,445	21,642	17,610	18,914	13,217	15,226	15,216	13,518	14,812	16,866	**209,907**
1984	13,093	11,519	18,840	14,503	16,974	19,259	13,285	16,805	15,069	14,211	19,565	24,820	**197,943**
1985	20,066	17,813	15,640	15,837	14,121	13,996	16,159	15,733	18,535	17,577	22,500	22,579	**210,556**
1986	21,702	20,006	16,107	22,671	19,383	12,041	19,224	19,680	16,599	21,074	21,181	20,498	**230,166**
1987	19,196	19,419	17,671	18,706	18,515	16,610	16,469	16,206	20,388	17,424	17,197	25,968	**223,769**
1988	21,037	20,827	19,267	16,846	20,944	24,007	19,839	20,504	16,605	17,546	17,079	27,250	**241,751**
1989	19,345	18,656	21,817	20,112	20,485	21,946	22,039	24,955	18,703	22,632	25,648	25,438	**261,776**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Motor Gasoline Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	1.0	5.1	0.7	4.3	4.9	0.9	2.3	0.3	0.9	8.1	15.3	4.7	**4.0**
1974	4.1	0.6	7.3	1.4	0.3	0.4	0.7	5.5	0.5	0.5	0.4	6.3	**2.3**
1975	0.5	9.5	0.8	1.3	0.5	0.7	1.3	0.4	0.2	1.0	0.9	7.9	**2.1**
1976	0.2	6.2	6.4	7.5	1.1	0.5	1.3	6.7	0.4	0.1	0.5	6.6	**3.1**
1977	8.4	1.9	0.3	1.1	1.9	1.0	0.7	1.1	1.0	1.4	1.6	0.8	**1.8**
1978	1.1	0.8	1.4	0.8	1.6	0.8	1.7	1.3	2.0	2.0	0.7	1.2	**1.3**
1979	0.6	0.6	0.5	0.7	0.4	0.2	0.3	0.7	0.2	0.5	0.5	0.1	**0.4**
1980	0.6	0.4	0.2	0.5	1.0	0.7	3.2	1.0	6.7	1.0	0.4	0.6	**1.3**
1981	0.4	0.7	0.5	0.3	0.7	0.6	0.4	2.8	1.7	2.8	0.9	10.7	**1.9**
1982	18.1	7.9	44.1	33.0	23.1	14.4	24.5	16.0	21.7	14.6	11.4	6.7	**19.6**
1983	0.5	0.2	23.4	1.3	1.4	21.6	18.3	12.8	13.7	1.6	2.2	25.4	**10.2**
1984	0.8	1.7	9.2	0.3	0.2	17.1	9.1	1.4	1.6	1.0	11.0	15.9	**5.8**
1985	1.8	1.8	3.1	10.6	8.1	7.1	17.8	4.3	5.7	18.7	16.9	17.6	**9.5**
1986	5.8	11.2	21.4	23.0	8.9	18.1	46.9	42.5	40.3	61.2	95.8	24.3	**33.3**
1987	44.2	22.2	19.8	42.2	48.2	46.0	32.6	18.9	30.1	21.0	32.1	59.0	**34.7**
1988	8.0	18.5	17.9	18.4	27.5	58.7	11.8	15.5	15.7	13.2	14.9	45.0	**22.1**
1989	33.1	23.6	43.3	46.2	31.3	60.3	57.1	58.2	31.2	28.8	18.5	37.0	**39.0**

Total Motor Gasoline Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	32	142	22	130	151	28	70	8	27	251	459	146	**1,466**
1974	126	18	225	41	10	11	21	172	15	17	13	196	**865**
1975	17	266	26	38	14	22	39	13	5	32	27	245	**744**
1976	6	179	199	225	35	14	41	209	12	2	15	206	**1,143**
1977	259	53	10	32	58	29	22	33	31	43	49	24	**643**
1978	35	22	44	23	49	25	53	39	60	62	20	38	**470**
1979	18	16	15	20	11	5	9	21	6	14	16	4	**155**
1980	18	12	6	15	30	20	98	31	201	30	13	19	**493**
1981	12	19	14	9	23	19	12	87	52	88	27	333	**695**
1982	562	222	1,367	990	717	431	758	495	651	452	343	208	**7,196**
1983	14	6	726	38	44	647	568	398	411	51	66	786	**3,755**
1984	25	50	285	9	6	514	281	44	48	31	329	492	**2,114**
1985	55	51	95	318	251	212	551	134	172	581	508	545	**3,473**
1986	179	314	662	691	277	542	1,454	1,319	1,210	1,897	2,874	752	**12,171**
1987	1,371	622	615	1,266	1,494	1,381	1,010	585	903	650	962	1,828	**12,687**
1988	247	536	556	553	853	1,760	365	479	471	410	447	1,394	**8,071**
1989	1,026	662	1,343	1,386	970	1,810	1,769	1,803	935	893	554	1,147	**14,298**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Naphtha Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	5.8	6.6	5.5	1.8	0.7	0.4	0.1	0.0	0.0	0.0	0.4	0.2	**1.8**
1974	0.1	0.3	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	1.0	**0.2**
1975	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
1976	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
1977	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
1978	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
1979	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
1980	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
1981	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	**0.7**
1982	0.0	0.0	0.0	0.7	0.0	1.3	0.0	0.0	7.4	0.0	0.0	0.0	**0.8**
1983	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.6**
1984	0.0	2.2	0.0	1.0	0.0	2.7	0.0	0.8	0.0	7.5	0.0	15.8	**2.5**
1985	0.8	0.0	0.3	0.0	0.0	0.0	0.0	1.6	2.5	2.6	5.9	3.2	**1.4**
1986	0.1	0.9	0.9	4.7	0.0	0.3	0.1	0.6	0.3	0.0	0.0	9.6	**1.5**
1987	2.1	0.0	0.8	0.0	0.5	0.0	0.0	2.0	0.8	0.0	1.8	3.9	**1.0**
1988	0.4	0.1	0.1	0.1	2.7	0.0	0.0	0.6	7.1	2.5	0.1	2.5	**1.3**
1989	0.6	1.0	10.0	0.0	0.0	0.0	1.4	0.0	0.0	2.2	12.1	17.0	**3.7**

Total Jet Naphtha Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	180	184	169	54	22	11	3	0	0	1	11	5	**640**
1974	4	7	5	4	4	5	3	5	3	4	5	31	**80**
1975	0	0	0	0	0	0	0	0	0	0	0	0	**0**
1976	0	0	0	0	0	0	0	0	0	0	0	0	**0**
1977	0	0	0	0	0	0	0	0	0	0	0	0	**0**
1978	0	0	0	0	0	0	0	0	0	0	0	1	**1**
1979	0	0	0	1	0	0	0	0	0	0	0	0	**1**
1980	0	4	0	0	0	0	0	0	0	0	0	0	**4**
1981	0	0	0	0	0	0	1	0	0	0	234	0	**235**
1982	0	0	0	22	0	40	0	0	222	0	0	1	**285**
1983	0	0	1	200	0	0	0	0	0	0	0	0	**201**
1984	0	63	0	31	0	81	0	26	0	233	1	489	**924**
1985	25	0	10	0	0	0	0	51	75	82	178	100	**521**
1986	3	25	27	140	1	8	3	20	8	0	0	297	**532**
1987	64	1	25	0	14	0	0	61	24	1	53	120	**363**
1988	11	2	2	3	83	1	0	20	214	77	3	78	**494**
1989	20	28	309	1	0	0	42	1	0	68	363	526	**1,358**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Jet Kerosine Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	1.1	0.8	0.9	5.7	3.6	4.3	3.4	1.0	1.9	3.2	3.1	1.5	**2.5**
1974	2.0	1.9	2.4	2.1	0.7	3.1	5.1	1.9	1.2	5.0	2.2	1.5	**2.4**
1975	1.9	2.2	1.4	1.3	2.2	1.3	2.2	1.7	1.5	1.4	1.4	1.6	**1.7**
1976	2.9	4.0	1.7	1.6	1.5	1.3	1.8	1.8	1.9	2.0	3.0	1.9	**2.1**
1977	1.5	1.9	1.8	3.9	2.1	1.4	0.6	0.6	1.7	1.5	1.2	1.6	**1.7**
1978	1.4	1.6	1.6	0.7	1.6	1.5	1.6	0.5	1.4	1.7	1.7	1.6	**1.4**
1979	0.6	0.7	0.7	0.7	0.6	0.5	0.5	0.7	0.5	0.2	0.7	1.1	**0.6**
1980	0.7	1.9	1.6	2.5	2.0	1.2	1.7	1.3	0.8	0.7	0.6	0.6	**1.3**
1981	0.9	0.8	0.3	0.6	0.5	0.4	0.6	0.7	0.7	0.5	0.8	7.2	**1.2**
1982	8.2	8.8	2.6	1.5	0.9	1.3	1.0	1.0	1.4	1.1	9.0	22.3	**4.9**
1983	8.8	8.0	0.9	0.6	1.3	0.7	1.2	6.2	9.0	0.8	12.4	14.8	**5.4**
1984	10.3	2.3	0.7	4.9	0.7	6.4	9.9	1.7	0.9	5.1	11.0	23.8	**6.5**
1985	2.5	22.3	5.9	5.0	4.7	3.4	3.4	21.3	4.4	24.9	28.3	18.0	**12.0**
1986	38.3	15.3	10.7	12.4	13.8	6.1	9.7	4.5	14.0	25.1	22.3	20.2	**16.0**
1987	45.3	20.2	6.9	4.0	3.8	4.9	4.5	2.4	34.3	35.0	44.5	73.8	**23.3**
1988	81.4	33.6	52.4	13.1	3.8	15.4	3.5	14.2	8.8	1.7	9.0	79.7	**26.4**
1989	74.1	20.2	0.6	15.9	1.2	1.2	9.3	15.1	33.9	27.4	39.4	42.2	**23.4**

Total Jet Kerosine Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	34	21	29	172	112	128	105	32	58	100	92	45	**928**
1974	62	53	74	63	22	93	157	60	37	155	67	46	**889**
1975	59	62	43	39	68	39	69	52	45	44	41	49	**610**
1976	89	115	52	48	45	39	56	55	56	63	89	59	**766**
1977	47	54	57	117	66	43	18	19	52	47	37	49	**606**
1978	42	44	50	20	51	46	50	16	42	52	50	50	**513**
1979	18	19	21	21	20	15	16	23	15	6	21	34	**229**
1980	21	55	49	76	62	35	52	40	24	23	18	19	**474**
1981	28	21	10	18	16	12	19	22	20	14	23	222	**425**
1982	255	245	80	44	27	38	32	32	41	35	269	692	**1,790**
1983	272	223	27	17	40	21	37	193	270	24	373	458	**1,955**
1984	318	68	21	148	22	191	306	52	27	158	329	738	**2,378**
1985	79	624	182	149	147	102	106	660	133	773	848	559	**4,362**
1986	1,188	429	333	371	428	184	300	138	420	778	668	626	**5,863**
1987	1,404	565	214	121	117	146	139	74	1,029	1,086	1,336	2,287	**8,518**
1988	2,524	974	1,624	392	119	463	107	440	265	54	271	2,470	**9,703**
1989	2,297	566	19	477	36	35	287	467	1,018	849	1,183	1,309	**8,543**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Kerosine Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	0.3	0.3	0.2	0.0	0.3	0.0	0.1	0.3	0.2	0.2	0.8	0.1	**0.2**
1974	0.1	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	**0.1**
1975	0.1	0.1	0.0	0.4	0.0	0.2	0.1	0.1	0.0	0.4	0.1	0.2	**0.1**
1976	0.3	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.3	0.1	0.0	0.1	**0.1**
1977	0.0	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.0	**0.1**
1978	0.1	0.0	0.1	0.3	0.2	0.0	0.1	0.1	0.1	0.0	0.3	0.0	**0.1**
1979	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.2	0.0	0.1	**0.1**
1980	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.4	0.1	0.2	0.0	**0.1**
1981	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.0	0.1	0.0	0.0	**0.1**
1982	8.1	0.0	0.0	0.7	0.0	0.2	0.0	0.1	1.0	0.0	0.0	0.0	**0.8**
1983	0.0	0.0	0.1	0.0	0.1	1.9	0.1	0.1	0.2	7.0	0.1	0.1	**0.8**
1984	0.1	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.2	0.3	**0.1**
1985	0.2	0.1	0.4	0.1	0.2	0.2	0.1	0.1	0.1	0.2	1.3	0.3	**0.3**
1986	1.2	0.3	0.5	0.7	0.2	1.1	0.3	0.4	0.5	7.9	0.3	8.1	**1.8**
1987	0.4	0.3	0.2	0.3	0.2	0.2	0.2	1.0	0.2	0.3	0.8	10.4	**1.2**
1988	0.3	4.3	0.7	0.4	0.4	0.5	0.2	0.3	1.4	2.1	2.0	1.9	**1.2**
1989	1.0	0.2	0.3	0.4	0.2	0.2	0.2	0.3	2.1	0.3	8.3	13.6	**2.3**

Total Kerosine Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	9	8	7	0	8	0	4	8	7	7	24	3	**85**
1974	3	0	3	5	7	2	4	2	3	4	0	3	**36**
1975	3	2	0	12	1	6	2	4	0	12	4	6	**52**
1976	9	1	4	2	2	1	4	4	8	2	0	3	**40**
1977	1	2	4	0	2	1	3	2	0	4	4	0	**23**
1978	2	1	4	8	6	1	2	2	2	1	10	1	**40**
1979	2	3	2	1	2	0	2	3	1	6	0	3	**25**
1980	1	1	1	2	1	0	4	0	11	3	7	1	**32**
1981	0	2	2	7	4	5	3	3	0	4	1	0	**31**
1982	251	1	1	20	1	5	1	2	30	1	1	1	**315**
1983	0	0	2	1	2	58	2	2	5	218	2	3	**295**
1984	2	1	1	3	5	6	2	4	6	3	5	8	**46**
1985	7	4	11	4	7	6	2	4	4	5	39	8	**101**
1986	36	7	14	21	7	34	9	11	16	246	9	251	**661**
1987	11	8	6	8	7	7	5	30	7	10	23	322	**444**
1988	10	126	21	11	13	15	6	10	41	65	59	59	**436**
1989	31	5	9	12	6	5	5	8	64	10	250	422	**827**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Distillate Fuel Oil Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	10.7	2.4	2.3	6.6	1.7	8.4	3.4	8.5	25.4	23.3	3.2	9.9	**8.8**
1974	4.0	3.9	6.6	1.4	0.9	1.1	2.7	0.5	1.4	0.5	1.8	3.4	**2.3**
1975	0.1	1.8	0.0	1.7	0.2	1.6	0.4	1.6	0.0	0.0	0.3	1.2	**0.7**
1976	0.2	0.8	1.1	0.5	0.7	0.9	0.5	4.0	1.3	0.9	1.4	1.4	**1.1**
1977	1.1	0.9	1.0	2.5	0.4	0.3	0.0	0.4	0.6	5.5	2.8	1.6	**1.4**
1978	0.6	15.7	0.1	5.5	0.6	0.1	4.3	4.3	2.4	2.1	3.3	1.5	**3.4**
1979	0.6	7.0	1.4	2.2	0.2	15.4	6.7	0.2	1.5	0.9	0.0	0.0	**3.0**
1980	6.8	8.2	18.5	2.4	0.6	0.0	2.8	0.0	0.1	0.2	0.1	0.1	**3.3**
1981	0.2	16.6	0.2	3.4	0.1	0.5	2.3	0.2	1.1	5.4	6.4	26.5	**5.2**
1982	90.1	89.7	84.1	64.0	74.7	55.0	23.8	40.1	138.5	65.9	23.8	143.1	**74.4**
1983	172.9	104.7	59.1	46.9	50.3	40.1	54.7	42.7	36.6	54.9	53.8	53.8	**64.2**
1984	40.3	41.5	65.7	32.0	48.3	53.0	40.2	74.4	21.8	47.1	23.8	120.1	**50.7**
1985	40.6	64.3	43.7	26.9	30.9	29.8	111.6	99.6	120.6	67.3	92.2	80.9	**67.4**
1986	125.5	176.0	130.6	127.9	149.5	52.9	75.4	64.2	98.0	73.7	72.2	55.4	**100.1**
1987	114.9	92.6	66.9	52.9	51.5	61.1	38.4	47.3	64.1	52.9	56.2	92.2	**65.9**
1988	82.0	106.7	74.5	42.3	74.0	75.6	57.9	69.6	71.9	48.0	34.4	86.9	**68.7**
1989	110.0	163.6	76.0	55.7	50.8	39.4	88.5	154.5	80.8	89.8	123.1	130.0	**96.9**

Total Distillate Fuel Oil Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	332	67	72	197	54	253	105	264	761	721	97	308	**3,231**
1974	125	108	204	41	27	34	84	17	41	15	55	104	**855**
1975	2	50	1	51	7	48	11	49	1	1	10	36	**267**
1976	7	24	35	15	21	26	15	125	38	28	43	44	**421**
1977	35	24	30	75	11	10	0	13	17	170	83	51	**519**
1978	20	440	3	166	19	4	134	133	72	64	99	48	**1,202**
1979	18	196	42	67	5	463	208	5	45	28	1	1	**1,079**
1980	212	239	575	73	18	1	87	1	3	7	2	2	**1,220**
1981	5	465	6	101	3	15	72	7	32	167	193	820	**1,886**
1982	2,793	2,511	2,607	1,919	2,315	1,650	738	1,242	4,155	2,042	715	4,436	**27,123**
1983	5,361	2,931	1,832	1,408	1,559	1,203	1,695	1,324	1,097	1,701	1,614	1,669	**23,394**
1984	1,248	1,203	2,036	959	1,498	1,589	1,245	2,305	655	1,460	715	3,724	**18,637**
1985	1,260	1,800	1,354	808	957	894	3,460	3,087	3,619	2,085	2,765	2,508	**24,597**
1986	3,891	4,927	4,049	3,836	4,634	1,587	2,337	1,989	2,940	2,285	2,165	1,716	**36,356**
1987	3,562	2,593	2,073	1,588	1,595	1,834	1,189	1,466	1,924	1,640	1,686	2,859	**24,009**
1988	2,541	3,095	2,309	1,268	2,295	2,267	1,796	2,158	2,156	1,489	1,033	2,694	**25,101**
1989	3,410	4,581	2,357	1,671	1,576	1,183	2,744	4,788	2,425	2,785	3,692	4,030	**35,242**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Residual Fuel Oil Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	31.3	31.7	23.9	39.1	35.2	6.1	33.7	27.5	19.8	18.9	4.8	7.8	**23.3**
1974	9.4	11.3	9.2	15.6	11.5	14.5	6.9	30.1	15.0	16.4	8.0	15.0	**13.6**
1975	14.9	18.9	9.5	5.9	7.9	20.6	17.4	12.0	19.2	5.3	12.5	31.8	**14.7**
1976	13.4	29.8	10.1	17.7	10.1	7.0	10.7	7.9	8.4	4.9	15.5	3.7	**11.6**
1977	2.4	8.0	3.4	3.3	5.1	2.0	18.2	9.4	2.8	2.2	6.9	12.0	**6.3**
1978	12.8	9.6	22.0	6.5	16.2	3.9	9.9	24.9	12.1	7.9	6.4	19.1	**12.6**
1979	6.3	9.7	14.2	1.7	7.7	7.9	4.5	14.5	2.4	17.7	4.7	14.3	**8.8**
1980	4.8	17.3	2.0	39.8	19.9	13.7	60.0	1.6	21.4	69.8	88.2	62.4	**33.4**
1981	65.2	125.0	144.6	151.0	25.2	75.5	82.1	69.0	126.0	201.7	202.6	157.0	**118.7**
1982	235.0	213.3	197.2	233.7	190.8	217.2	238.9	234.8	148.4	233.8	182.5	186.2	**209.3**
1983	294.4	191.0	169.1	310.4	189.8	218.5	90.2	164.7	134.4	152.6	166.6	141.1	**185.2**
1984	151.5	87.4	203.9	129.5	200.1	175.8	98.7	260.2	214.3	174.1	285.9	298.7	**190.0**
1985	311.7	294.7	215.5	167.0	185.5	117.6	82.8	105.5	188.0	183.8	275.3	249.8	**198.1**
1986	210.8	183.1	112.7	202.3	128.9	42.6	90.5	174.4	110.5	144.2	142.9	224.1	**147.2**
1987	198.0	220.8	150.3	238.7	143.7	104.7	174.7	185.5	176.6	193.5	145.7	299.7	**186.0**
1988	190.3	228.8	165.4	169.8	262.6	249.3	206.1	224.6	100.3	180.8	146.0	270.5	**199.5**
1989	151.5	146.0	220.0	236.3	276.0	208.3	176.3	224.7	137.4	242.8	329.6	225.5	**214.5**

Total Residual Fuel Oil Exports
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	970	888	741	1,172	1,091	183	1,046	852	593	585	145	241	**8,507**
1974	292	317	286	469	357	435	215	932	451	508	241	466	**4,969**
1975	463	528	295	178	246	619	540	371	577	164	376	985	**5,342**
1976	416	865	312	532	313	210	332	245	253	153	465	114	**4,210**
1977	75	225	105	99	159	59	564	290	83	67	206	373	**2,305**
1978	396	270	683	195	501	117	307	773	363	244	192	593	**4,634**
1979	195	271	440	51	239	237	141	448	72	548	140	444	**3,226**
1980	149	503	63	1,195	616	410	1,861	50	643	2,165	2,645	1,933	**12,233**
1981	2,020	3,499	4,484	4,529	781	2,266	2,546	2,138	3,781	6,253	6,079	4,868	**43,244**
1982	7,285	5,972	6,113	7,012	5,915	6,516	7,406	7,280	4,453	7,249	5,475	5,771	**76,447**
1983	9,125	5,348	5,241	9,311	5,883	6,555	2,795	5,107	4,032	4,732	4,998	4,374	**67,501**
1984	4,695	2,536	6,320	3,885	6,202	5,275	3,060	8,065	6,430	5,398	8,576	9,261	**69,703**
1985	9,663	8,252	6,681	5,010	5,750	3,528	2,566	3,271	5,639	5,697	8,260	7,743	**72,060**
1986	6,534	5,128	3,494	6,068	3,997	1,279	2,804	5,406	3,314	4,471	4,288	6,946	**53,729**
1987	6,138	6,181	4,659	7,160	4,454	3,140	5,417	5,750	5,298	6,000	4,371	9,292	**67,860**
1988	5,899	6,635	5,127	5,095	8,142	7,479	6,390	6,964	3,008	5,605	4,379	8,386	**73,109**
1989	4,696	4,087	6,821	7,089	8,556	6,248	5,464	6,967	4,122	7,528	9,889	6,991	**78,458**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines. Energy Information Administration

Total Liquified Petroleum Gases and Ethane Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	28.8	40.7	35.8	26.6	25.1	23.5	25.4	26.5	25.5	24.5	22.8	23.3	**27.4**
1974	27.1	21.6	23.4	22.8	22.9	23.4	27.2	24.3	27.2	25.7	24.8	26.5	**24.7**
1975	29.8	30.3	31.9	29.0	25.3	22.2	23.0	23.9	23.6	24.8	21.8	26.5	**26.0**
1976	24.2	22.9	26.0	26.1	22.5	28.0	23.9	21.5	20.9	24.4	25.8	28.7	**24.6**
1977	28.5	18.8	18.6	19.9	14.1	11.9	19.7	15.9	14.3	16.3	16.6	18.3	**17.7**
1978	20.5	21.6	20.2	18.4	24.8	20.0	18.7	26.7	13.3	18.2	20.8	14.6	**19.8**
1979	11.9	15.9	30.8	12.9	10.7	11.3	9.8	12.2	9.3	13.5	17.6	21.9	**14.8**
1980	30.0	26.4	22.6	19.1	17.0	18.3	17.5	17.1	18.8	24.5	22.8	22.9	**21.4**
1981	21.2	20.7	20.1	25.6	19.1	23.7	17.4	149.5	20.5	75.8	58.5	49.8	**41.8**
1982	67.5	50.7	74.5	76.6	43.2	106.4	37.2	60.5	84.6	81.5	37.2	56.1	**64.7**
1983	118.2	75.6	127.0	116.2	84.4	58.6	54.5	29.2	86.3	31.8	32.7	66.3	**73.4**
1984	23.2	41.4	68.2	53.9	41.7	52.6	42.8	34.0	26.2	55.9	52.5	81.9	**47.9**
1985	70.0	71.5	51.8	78.3	40.1	50.7	67.8	80.0	29.2	47.0	88.3	74.7	**62.5**
1986	47.1	74.2	47.3	33.4	40.0	25.0	50.1	53.0	26.7	25.6	53.5	32.5	**42.4**
1987	43.5	37.6	51.5	36.2	33.8	22.0	30.0	32.6	55.6	22.9	34.6	56.4	**38.1**
1988	44.5	46.6	35.9	43.3	37.1	37.5	35.4	49.9	42.7	56.2	71.4	84.7	**48.7**
1989	18.6	31.2	43.2	26.7	43.1	34.6	45.1	40.0	30.6	31.2	33.0	37.3	**34.5**

Total Liquified Petroleum Gases and Ethane Exports
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	892	1,139	1,109	797	777	705	788	820	766	758	683	721	**9,955**
1974	840	604	725	683	710	701	844	753	816	797	744	821	**9,038**
1975	925	847	989	870	784	667	713	741	708	768	654	822	**9,488**
1976	750	665	805	784	697	841	740	665	627	755	773	891	**8,993**
1977	885	526	578	598	437	357	612	493	429	504	497	567	**6,483**
1978	636	604	626	553	769	600	581	828	398	565	625	453	**7,238**
1979	370	446	954	388	331	338	304	378	279	419	527	680	**5,414**
1980	930	767	700	574	528	548	543	529	564	758	684	710	**7,835**
1981	656	580	622	768	591	711	540	4,633	616	2,349	1,754	1,544	**15,364**
1982	2,091	1,420	2,308	2,298	1,338	3,192	1,154	1,876	2,538	2,526	1,115	1,740	**23,596**
1983	3,663	2,117	3,936	3,487	2,616	1,759	1,691	905	2,589	987	980	2,056	**26,786**
1984	719	1,202	2,115	1,616	1,292	1,579	1,326	1,053	786	1,734	1,574	2,540	**17,536**
1985	2,169	2,003	1,605	2,350	1,242	1,521	2,103	2,480	876	1,457	2,649	2,317	**22,772**
1986	1,459	2,078	1,466	1,001	1,240	751	1,552	1,642	802	793	1,604	1,009	**15,397**
1987	1,348	1,054	1,598	1,085	1,049	660	929	1,012	1,668	711	1,039	1,749	**13,902**
1988	1,379	1,350	1,112	1,298	1,149	1,126	1,097	1,546	1,281	1,741	2,141	2,625	**17,845**
1989	577	873	1,340	800	1,335	1,039	1,399	1,241	918	966	990	1,156	**12,634**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Crude Oil and Natural Gas Liquids Exports
Thousands of barrels per day

	Australia	Canada	Denmark	France	Italy	Netherlands	Norway	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981	18.6	290.5	4.8	0.0	11.1	1.5	385.8	1,061.4	81.8	0.0	50.3	**1,905.9**
1982	0.7	384.2	15.3	0.0	11.1	1.2	393.3	1,256.8	92.8	1.3	31.3	**2,187.8**
1983	2.3	425.9	22.9	0.0	5.2	5.5	513.1	1,424.5	83.2	0.1	6.7	**2,489.2**
1984	43.2	486.4	18.4	0.0	2.5	9.9	591.1	1,639.3	60.6	0.1	26.5	**2,877.9**
1985	87.7	609.6	21.8	2.1	16.5	58.3	649.5	1,699.3	85.8	0.0	101.3	**3,332.0**
1986	72.1	673.2	18.8	2.3	24.9	25.9	741.5	1,792.2	56.0	0.0	70.1	**3,477.1**
1987	100.3	711.5	37.3	3.5	35.7	18.9	857.1	1,706.8	55.7	0.0	(39.0)	**3,487.8**
1988*	93.8	813.8	40.2	2.1	36.1	18.3	981.1	1,503.9	58.5	0.0	(11.0)	**3,536.7**

Refined Product Exports
Thousands of barrels per day

	Australia	Canada	Denmark	France	Italy	Netherlands	Norway	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981	57.7	103.1	23.7	290.6	280.6	743.4	40.8	239.4	325.3	144.9	680.6	**2,930.0**
1982	103.3	73.1	21.0	227.2	271.7	852.1	42.4	246.9	590.0	158.6	719.6	**3,305.8**
1983	107.3	114.5	34.7	206.8	250.7	955.2	40.8	267.0	574.4	148.4	783.8	**3,483.6**
1984	98.3	121.8	41.7	204.2	209.0	900.6	43.3	262.4	577.2	136.9	861.4	**3,456.7**
1985	81.1	152.8	36.3	230.3	207.6	895.6	48.3	299.6	583.2	130.2	791.9	**3,457.1**
1986	81.9	132.3	45.4	225.5	293.3	1,010.6	43.8	316.4	687.4	100.8	1,001.9	**3,939.3**
1987	79.7	162.1	44.7	197.4	256.8	1,008.3	65.6	308.4	664.7	99.6	1,554.9	**4,442.2**
1988*	84.5	223.1	47.8	227.9	272.3	914.4	65.4	331.0	701.0	130.3	1,533.7	**4,531.2**

* 1988 is most current data available in Oil & Gas Journal Energy Database.

Note: Data are converted from IEA figures in thousands of tonnes. U.S. data differs from figures reported elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Crude & Product Exports
Total OECD
Thousands of barrels per day

	Crude Oil and NGL	Total Refined Products	Total Gasoline	Gas Oil/ Diesel Oil	Heavy (Residual) Fuel Oil	Other Refined Products
1981						
1st Qtr.	1,956.9	2,859.1	529.6	871.8	737.8	719.8
2nd Qtr.	1,749.9	2,737.7	510.5	775.0	654.4	797.8
3rd Qtr.	1,940.5	2,971.9	550.3	828.6	753.4	839.7
4th Qtr.	1,976.2	3,151.5	493.0	919.9	861.4	877.2
1982						
1st Qtr.	1,993.5	3,221.2	495.7	963.3	972.1	790.1
2nd Qtr.	2,176.1	3,142.1	573.5	831.4	818.4	918.8
3rd Qtr.	2,291.2	3,362.4	584.7	888.2	890.2	999.4
4th Qtr.	2,290.4	3,497.5	571.8	934.9	974.8	1,015.9
1983						
1st Qtr.	2,325.5	3,537.3	578.0	1,040.8	919.7	998.8
2nd Qtr.	2,445.9	3,563.1	680.8	947.2	872.3	1,062.7
3rd Qtr.	2,476.9	3,433.3	611.6	901.0	919.1	1,001.7
4th Qtr.	2,708.2	3,400.8	598.4	909.3	918.7	974.3
1984						
1st Qtr.	2,899.0	3,308.9	637.1	909.0	850.9	911.9
2nd Qtr.	2,617.2	3,508.3	679.4	913.6	860.0	1,055.4
3rd Qtr.	2,734.9	3,338.3	604.9	899.7	905.8	927.9
4th Qtr.	3,260.3	3,671.3	558.1	872.3	1,249.3	991.7
1985						
1st Qtr.	3,311.8	3,370.6	588.0	858.7	1,062.1	861.7
2nd Qtr.	3,402.4	3,262.1	772.1	771.0	780.8	938.2
3rd Qtr.	3,136.9	3,604.1	703.1	1,034.0	847.4	1,019.6
4th Qtr.	3,477.1	3,591.5	681.9	969.8	952.3	987.5
1986						
1st Qtr.	3,581.5	3,666.5	648.7	1,211.7	867.4	938.8
2nd Qtr.	3,031.9	4,171.1	803.2	1,336.6	920.5	1,110.9
3rd Qtr.	3,471.9	4,090.7	817.5	1,103.8	1,043.4	1,126.1
4th Qtr.	3,823.0	3,828.9	812.2	878.6	950.6	1,187.5
1987						
1st Qtr.	3,615.2	4,313.7	762.1	1,130.6	878.7	1,542.4
2nd Qtr.	3,425.1	4,223.7	795.9	959.2	857.5	1,611.0
3rd Qtr.	3,332.7	4,430.1	780.7	1,030.5	947.2	1,671.7
4th Qtr.	3,578.3	4,801.1	851.5	1,128.6	1,076.5	1,744.5
1988*						
1st Qtr.	3,887.3	4,326.4	757.7	1,039.7	912.1	1,616.9
2nd Qtr.	3,441.0	4,460.3	893.5	935.7	917.2	1,713.9
3rd Qtr.	3,301.0	4,713.6	929.4	1,001.3	1,012.5	1,770.4
4th Qtr.	3,517.4	4,624.6	840.2	1,064.5	936.9	1,783.0

* 1988 is most current data available in Oil & Gas Journal Energy Database.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

OPEC Crude Oil Exports
By Country
Thousands of barrels per day

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Algeria	768.1	867.1	883.0	974.3	687.6	996.8	993.2	895.0	877.5	944.4	1,034.5
Ecuador	0.0	0.8	1.2	0.6	0.7	68.8	195.1	164.1	145.8	167.6	138.2
Gabon	66.8	77.0	84.2	83.9	96.0	105.0	119.2	180.7	205.3	196.2	180.2
Indonesia	308.8	397.5	516.8	625.4	656.4	817.2	1,012.4	1,036.6	994.7	1,227.4	1,325.7
Iran	2,146.0	2,347.3	2,847.4	3,309.3	3,979.0	4,498.4	5,276.8	5,369.2	4,671.0	5,213.7	4,867.4
Iraq	1,172.1	1,429.2	1,445.4	1,495.8	1,618.9	1,436.1	1,925.8	1,849.0	2,058.8	2,241.1	2,167.4
Kuwait	2,202.2	2,307.0	2,441.7	2,579.9	2,775.2	2,925.0	2,641.6	2,203.2	1,803.4	1,790.9	1,624.8
Libya	1,717.3	2,582.4	3,069.5	3,312.1	2,747.4	2,214.2	2,174.5	1,490.3	1,431.1	1,846.6	1,943.0
Nigeria	298.8	135.7	542.2	1,050.8	1,486.4	1,756.1	1,978.1	2,179.4	1,713.3	2,013.2	2,030.2
Qatar	319.7	339.0	353.0	362.8	428.6	481.7	570.3	511.2	428.3	486.6	410.3
Saudi Arabia	2,429.6	2,643.4	2,794.7	3,216.9	4,186.8	5,444.1	7,014.6	7,922.4	6,601.1	8,031.8	8,608.4
United Arab Emirates	381.0	495.4	624.9	777.0	1,054.8	1,202.7	1,522.1	1,689.5	1,661.4	1,932.8	1,990.0
Venezuela	2,429.1	2,454.9	2,476.0	2,434.6	2,313.9	2,132.4	2,123.5	1,768.3	1,472.2	1,370.3	1,321.0
Total OPEC	**14,239.5**	**16,076.7**	**18,080.0**	**20,223.4**	**22,031.7**	**24,078.5**	**27,547.2**	**27,258.9**	**24,063.9**	**27,462.6**	**27,641.1**

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Algeria	1,002.8	960.4	715.5	521.8	228.9	260.4	181.6	175.3	167.6	165.0	168.8
Ecuador	122.7	122.6	110.2	105.5	90.1	126.3	147.1	168.8	173.5	105.3	149.8
Gabon	173.5	164.8	151.2	124.9	130.3	136.4	139.2	163.5	150.1	138.4	145.6
Indonesia	1,268.2	1,077.7	988.0	992.5	813.6	858.3	876.3	705.7	793.8	701.0	609.2
Iran	4,447.1	2,407.0	796.7	714.6	1,623.2	1,718.7	1,521.8	1,568.3	1,454.0	1,710.0	1,696.0
Iraq	2,384.4	3,247.0	2,482.0	872.0	846.0	702.0	867.0	1,085.4	1,393.5	1,717.0	2,095.0
Kuwait	1,761.2	2,083.1	1,296.5	813.8	368.8	544.4	658.0	475.9	756.0	607.0	698.0
Libya	1,854.8	1,966.0	1,693.0	1,062.5	974.0	937.4	929.6	894.6	1,067.0	810.0	890.0
Nigeria	1,827.1	2,210.1	1,960.2	1,228.4	1,002.8	935.2	1,094.1	1,333.3	1,221.2	1,065.2	1,110.5
Qatar	480.0	494.9	465.7	391.0	322.8	279.5	386.2	280.0	307.0	254.0	304.0
Saudi Arabia	7,706.0	8,817.7	9,223.2	9,017.9	5,639.4	3,920.8	3,186.9	2,150.7	3,265.8	2,416.5	3,354.8
United Arab Emirates	1,816.3	1,805.3	1,697.3	1,439.0	1,167.0	1,077.3	1,036.7	977.7	1,132.0	1,250.0	1,345.0
Venezuela	1,244.6	1,408.3	1,287.2	1,266.0	1,057.9	976.7	998.9	825.9	948.7	1,026.3	1,011.0
Total OPEC	**26,088.7**	**26,764.9**	**22,866.7**	**18,549.9**	**14,269.8**	**12,473.4**	**12,023.4**	**10,805.1**	**12,830.2**	**11,965.7**	**13,576.9**

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

OPEC Refined Product Exports
By Country
Thousands of barrels per day

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Algeria	5.1	12.1	9.5	11.2	5.8	10.0	35.5	41.6	62.1	40.8	30.5
Ecuador	NA	NA	NA	0.1	0.9	1.5	2.0	0.9	0.3	0.9	0.9
Gabon	NA	NA	10.1	11.3	12.4	12.6	13.3	9.1	6.6	22.0	13.3
Indonesia	79.5	75.4	92.5	99.3	92.2	125.6	154.9	123.7	100.4	99.1	147.2
Iran	202.3	209.4	217.5	209.6	194.4	176.8	147.2	163.1	215.1	116.0	118.9
Iraq	0.7	0.0	4.9	3.1	3.5	0.4	7.5	21.3	37.5	39.3	35.7
Kuwait	219.8	215.0	190.1	251.0	234.2	210.5	205.7	192.5	140.5	336.9	313.3
Libya	NA	NA	1.4	0.8	0.0	0.4	35.0	27.8	47.2	53.0	91.2
Nigeria	2.1	1.2	2.5	4.6	8.5	2.5	15.0	3.7	5.3	11.3	13.9
Qatar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Saudi Arabia	225.8	290.7	219.4	347.0	294.2	319.5	331.7	321.5	330.7	390.0	341.4
United Arab Emirates	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.8
Venezuela	932.2	913.6	934.8	1,035.0	968.4	932.5	1,026.6	983.6	614.0	761.6	642.9
Total OPEC	**1,667.5**	**1,717.4**	**1,682.7**	**1,973.0**	**1,814.5**	**1,792.3**	**1,974.4**	**1,888.8**	**1,559.7**	**1,870.9**	**1,752.0**

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Algeria	77.9	69.2	148.1	201.8	404.3	291.6	399.9	362.0	412.9	425.0	435.0
Ecuador	18.1	20.2	24.2	17.3	15.3	11.0	17.6	13.3	18.3	15.6	25.9
Gabon	22.5	14.3	10.5	13.5	13.2	11.1	6.3	4.2	3.0	1.5	3.0
Indonesia	124.0	146.9	162.6	155.8	121.1	130.2	191.9	149.8	159.3	187.9	202.3
Iran	127.5	235.0	141.0	140.0	181.0	57.0	56.7	39.4	10.0	3.0	8.0
Iraq	33.1	34.1	35.0	53.9	0.1	38.3	49.6	12.3	7.8	100.0	75.0
Kuwait	327.1	423.6	343.4	280.8	370.4	414.3	394.9	492.9	525.0	553.0	635.0
Libya	99.2	84.6	72.5	62.1	78.0	78.7	76.8	90.9	101.9	110.5	90.0
Nigeria	3.8	24.0	74.6	43.4	10.9	16.3	20.0	20.0	8.8	15.7	21.0
Qatar	NA	6.7	1.8	13.2	11.6	16.8	26.0	28.3	36.0	32.0	35.0
Saudi Arabia	366.8	384.8	413.2	484.9	507.6	389.2	442.1	574.3	712.3	864.8	900.0
United Arab Emirates	7.9	13.0	19.6	37.7	45.7	60.7	97.7	92.1	111.6	114.0	117.0
Venezuela	697.6	685.2	564.6	476.2	467.2	507.6	502.3	530.7	566.8	492.3	639.0
Total OPEC	**1,905.5**	**2,141.6**	**2,011.1**	**1,980.6**	**2,226.4**	**2,022.8**	**2,281.8**	**2,410.2**	**2,673.7**	**2,915.3**	**3,186.2**

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat

Worldwide Trade Movements of Crude Oil and Products
Thousands of barrels per day

	1974	1975	1976	1977	1978	1979	1980	1981
Imports								
United States	6,125	6,025	7,290	8,710	8,225	8,410	6 735	5,950
Western Europe	14,840	12,610	13,725	13,295	13,090	13,080	11,825	10,245
Japan	5,430	4,945	5,320	5,510	5,335	5,605	4,985	4,460
Rest of World	6,935	6,755	7,965	7,240	7,400	8,255	8,390	8,000
Total World	**33,330**	**30,335**	**34,300**	**34,755**	**34,050**	**35,350**	**31,935**	**28,655**
Exports								
United States	220	210	220	250	365	485	555	605
Canada	1,045	800	600	540	445	455	445	455
Latin America	3,490	3,175	3,310	3,115	3,400	3,645	3,885	4,380
Middle East	20,050	18,505	20,855	20,730	19,730	20,435	17,510	14,605
North Africa	2,625	2,405	3,070	3,295	3,370	3,425	2,820	2,175
West Africa	2,545	1,975	2,230	2,370	2,115	2,645	2,475	1,730
Asia (excl China & Japan)	1,400	1,455	1,765	1,915	1,790	1,955	1,745	1,700
USSR, E. Europe & China	1,400	1,470	1,815	1,975	2,200	1,740	2,005	2,195
Rest of World	555	340	435	565	635	565	495	810
Total World	**33,330**	**30,335**	**34,300**	**34,755**	**34,050**	**35,350**	**31,935**	**28,655**

	1982	1983	1984	1985	1986	1987	1988	1989
Imports								
United States	5,040	4,990	5,380	5,065	6,045	6,245	7,240	8,019
Western Europe	9,350	8,665	8,595	8,365	8,860	7,905	9,104	9,384
Japan	4,155	4,145	4,305	4,045	4,140	4,125	4,412	4,549
Rest of World	7,020	6,555	6,470	6,645	7,220	6,315	7,111	8,320
Total World	**25,565**	**24,355**	**24,750**	**24,120**	**26,265**	**24,590**	**27,867**	**30,272**
Exports								
United States	815	740	720	780	765	745	845	817
Canada	485	545	655	685	675	630	890	944
Latin America	4,135	4,065	4,100	3,565	3,600	3,035	3,246	3,511
Middle East	11,660	10,355	9,845	9,340	10,880	10,315	11,842	13,389
North Africa	2,145	2,180	2,290	2,415	2,515	2,435	2,598	2,415
West Africa	1,500	1,425	1,670	1,765	1,980	1,880	2,022	2,319
Asia (excl China & Japan)	1,550	1,465	1,655	1,600	1,610	1,410	1,380	1,758
USSR, E. Europe & China	2,245	2,655	2,865	2,920	3,020	2,910	3,802	3,478
Rest of World	1,030	925	950	1,050	1,220	1,230	1,242	1,641
Total World	**25,565**	**24,355**	**24,750**	**24,120**	**26,265**	**24,590**	**27,867**	**30,272**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Net Crude Oil and Refined Product Imports
From Country of Origin
Thousands of barrels per day

To: United States From:	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	170	240	323	187	271	295	300	265
Bahrain	(1)	(1)	(1)	(1)	1	(1)	0	(1)
Ecuador	37	52	50	64	76	27	46	86
Gabon	41	59	58	52	26	37	16	50
Indonesia	247	335	342	313	317	284	205	179
Iran	35	48	10	27	19	98	0	0
Iraq	3	10	12	46	81	83	343	447
Kuwait	5	14	36	21	68	82	92	156
Libya	26	0	1	4	0	0	0	0
Nigeria	513	299	216	293	440	535	618	809
Qatar	7	0	5	0	13	0	0	2
Saudi Arabia	551	336	324	168	685	751	1,063	1,224
UAE	91	29	116	44	43	59	28	26
Venezuela	410	420	544	602	788	801	790	855
Total OPEC	**2,136**	**1,843**	**2,037**	**1,820**	**2,826**	**3,053**	**3,501**	**4,100**
Total Net Imports	**4,298**	**4,312**	**4,715**	**4,286**	**5,439**	**5,914**	**6,587**	**7,120**

To: Japan From:	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	55	38	12	10	15	23	44	15
Bahrain	13	24	24	26	34	37	36	40
Ecuador	0	0	0	2	1	0	0	0
Gabon	2	0	0	0	0	0	0	2
Indonesia	639	586	594	452	486	563	599	628
Iran	228	394	258	259	220	230	187	291
Iraq	70	10	15	63	164	105	173	219
Kuwait	100	156	231	215	278	347	341	460
Libya	3	0	0	1	1	0	0	0
Qatar	145	147	240	220	183	139	203	249
Saudi Arabia	1,534	1,254	1,330	904	789	1,005	930	981
UAE	584	652	674	845	890	773	822	929
Venezuela	27	23	17	14	12	12	11	11
Total OPEC	**3,388**	**3,260**	**3,372**	**2,985**	**3,038**	**3,198**	**3,309**	**3,784**
Total Net Imports	**4,446**	**4,384**	**4,531**	**4,308**	**4,392**	**4,418**	**4,880**	**5,027**

Net Crude Oil and Refined Product Imports
From Country of Origin
Thousands of barrels per day

	1982	1983	1984	1985	1986	1987	1988	1989
To: OECD Europe*								
From:								
Algeria	644	578	574	659	615	627	646	653
Bahrain	4	5	19	4	2	1	9	5
Ecuador	1	2	0	0	0	0	0	1
Gabon	52	62	67	77	90	31	31	14
Indonesia	8	10	15	8	2	2	5	4
Iran	845	859	841	648	511	732	850	1,084
Iraq	424	388	516	673	717	905	959	867
Kuwait	180	251	324	356	456	469	474	460
Libya	940	940	894	948	967	962	1,071	1,047
Nigeria	543	647	783	841	727	469	481	541
Qatar	127	77	118	51	54	40	21	41
Saudi Arabia	2,383	1,241	884	698	1,609	978	981	1,069
UAE	371	343	265	131	164	206	345	208
Venezuela	299	324	267	307	252	208	220	214
Total OPEC	**6,816**	**5,723**	**5,548**	**5,395**	**6,163**	**5,628**	**6,085**	**6,204**
Total Net Imports	**8,663**	**7,781**	**7,675**	**7,381**	**7,893**	**7,742**	**7,780**	**7,974**

	1982	1983	1984	1985	1986	1987	1988	1989
To: France								
From:								
Algeria	186	149	158	109	89	72	79	89
Bahrain	1	3	1	0	1	0	7	2
Gabon	25	11	25	43	65	0	0	0
Indonesia	1	0	0	2	0	0	0	0
Iran	78	85	68	82	65	88	12	158
Iraq	30	41	72	138	109	151	143	128
Kuwait	18	19	19	35	23	44	17	19
Libya	52	65	76	70	61	64	90	65
Nigeria	133	169	192	165	129	76	79	64
Qatar	42	18	43	34	30	2	17	28
Saudi Arabia	554	291	200	134	324	175	271	252
UAE	134	130	89	54	35	0	229	40
Venezuela	28	31	18	20	19	12	11	12
Total OPEC	**1,281**	**1,009**	**961**	**884**	**948**	**684**	**948**	**856**
Total Net Imports	**1,791**	**1,667**	**1,724**	**1,654**	**1,682**	**1,742**	**1,724**	**1,712**

Net Crude Oil and Refined Product Imports
From Country of Origin
Thousands of barrels per day

To: West Germany From:	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	119	104	86	130	137	146	141	106
Bahrain	1	0	0	0	0	0	0	0
Gabon	6	3	6	3	1	4	0	0
Indonesia	0	0	0	0	1	2	0	0
Iran	45	42	49	53	41	20	51	41
Iraq	16	30	41	8	16	52	32	9
Kuwait	13	29	26	21	21	17	13	22
Libya	233	218	200	201	152	160	237	235
Nigeria	133	150	191	197	195	95	95	95
Qatar	8	15	10	0	0	1	1	2
Saudi Arabia	345	142	93	64	151	72	95	119
UAE	47	29	23	6	4	24	6	23
Venezuela	42	106	82	103	113	86	91	86
Total OPEC	**1,007**	**868**	**807**	**787**	**831**	**679**	**761**	**739**
Total Net Imports	**2,114**	**2,087**	**2,115**	**2,166**	**2,380**	**2,281**	**2,279**	**2,112**

To: Italy From:	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	117	62	67	110	87	109	108	150
Bahrain	1	0	0	2	1	0	0	1
Ecuador	1	0	0	0	0	0	0	0
Gabon	1	9	1	1	1	0	1	1
Indonesia	2	0	1	0	0	0	2	2
Iran	258	238	190	146	135	141	93	124
Iraq	117	96	98	139	114	167	198	138
Kuwait	72	87	108	132	147	142	118	93
Libya	226	225	261	299	309	342	389	430
Nigeria	66	97	121	142	110	38	19	45
Qatar	29	13	18	7	4	29	2	8
Saudi Arabia	390	244	204	134	364	194	171	171
UAE	36	67	53	24	51	109	60	85
Venezuela	97	75	76	72	39	37	29	14
Total OPEC	**1,410**	**1,214**	**1,199**	**1,205**	**1,362**	**1,307**	**1,192**	**1,261**
Total Net Imports	**1,751**	**1,579**	**1,618**	**1,603**	**1,642**	**1,718**	**1,590**	**1,716**

* OECD Europe is Austria, Belgium, Denmark, Finland, France, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and West Germany.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Net Crude Oil & Refined Products Imports
By OECD Country
Thousands of barrels per day

	1982	1983	1984	1985	1986	1987	1988	1989
Austria	172	167	176	174	188	194	185	192
Belgium	437	396	374	382	456	443	451	438
Canada	(126)	(284)	(309)	(419)	(391)	(358)	(479)	(340)
Denmark	192	173	165	166	150	122	107	78
Finland	206	212	177	207	229	242	200	220
France	1,791	1,667	1,724	1,654	1,682	1,742	1,724	1,712
Greece	207	197	197	210	245	230	242	252
Iceland	10	10	10	11	11	13	12	11
Ireland	91	84	81	78	98	81	76	79
Italy	1,751	1,579	1,618	1,603	1,642	1,718	1,590	1,716
Japan	4,446	4,384	4,531	4,308	4,392	4,418	4,680	5,027
Luxembourg	22	21	21	23	24	28	28	31
Netherlands	557	532	532	515	632	562	646	626
Norway	(345)	(502)	(578)	(656)	(718)	(866)	(1,036)	(1,419)
Portugal	184	183	185	166	183	199	198	246
Spain	964	954	855	802	747	803	869	947
Sweden	394	365	300	349	379	309	313	291
Switzerland	233	259	252	257	290	254	258	254
Turkey	282	304	302	310	342	402	397	384
United Kingdom	(600)	(906)	(829)	(1,035)	(1,067)	(1,015)	(760)	(195)
United States	4,298	4,312	4,715	4,286	5,439	5,914	6,587	7,120
West Germany	2,114	2,087	2,115	2,166	2,380	2,281	2,279	2,112
Other	478	338	350	322	338	291	250	348
Total OECD Imports	**17,760**	**16,532**	**16,962**	**15,878**	**17,670**	**18,008**	**18,818**	**20,129**

Note: Negative numbers represent net exports.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

OECD Crude Oil and Refined Products Imports
From OPEC Countries
Thousands of barrels per day

	1982	1983	1984	1985	1986	1987	1988	1989
Austria	80	62	81	87	90	87	82	89
Belgium	361	231	197	159	288	257	302	354
Canada	200	152	137	128	158	155	163	205
Denmark	30	39	49	35	25	53	67	69
Finland	34	25	20	37	21	23	11	13
France	1,281	1,009	961	884	948	684	948	856
Greece	260	206	208	197	273	279	233	244
Ireland	4	1	0	0	1	1	0	0
Italy	1,410	1,214	1,199	1,205	1,362	1,307	1,192	1,261
Japan	3,388	3,260	3,372	2,985	3,038	3,198	3,309	3,784
Netherlands	536	538	584	568	771	773	875	923
Norway	13	7	6	5	8	2	2	3
Portugal	135	134	116	113	120	101	118	156
Spain	701	617	595	553	600	564	608	689
Sweden	134	79	36	51	86	62	74	62
Switzerland	65	77	75	75	68	69	51	21
Turkey	303	308	332	331	344	411	439	384
United Kingdom	461	310	282	308	328	277	323	342
United States	2,136	1,843	2,037	1,820	2,826	3,053	3,501	4,100
West Germany	1,007	868	807	787	831	679	761	739
Other	491	410	387	312	339	439	347	406
Total OECD Imports	**13,030**	**11,390**	**11,481**	**10,640**	**12,525**	**12,474**	**13,406**	**14,700**

OECD Crude Oil and Refined Produc[illegible] Imports
From Persian Gulf*
Thousands of barrels per day

	1982	1983	1984	1985	1986	1987	1988	1989
Austria	44	26	24	23	11	26	25	23
Belgium	235	104	94	88	182	162	224	276
Canada	65	52	8	11	54	54	56	69
Denmark	23	31	42	22	24	47	63	67
Finland	33	25	20	37	21	22	11	12
France	856	587	493	476	586	459	696	627
Greece	187	132	143	122	204	211	146	181
Ireland	4	1	0	0	0	0	0	0
Italy	902	746	671	583	817	782	643	619
Japan	2,674	2,638	2,773	2,533	2,557	2,637	2,691	3,169
Netherlands	342	279	345	294	509	516	587	666
Norway	9	5	6	3	6	2	0	0
Portugal	107	97	81	76	88	69	66	85
Spain	488	399	377	264	328	295	306	352
Sweden	54	17	5	6	36	29	45	40
Switzerland	20	13	12	6	8	8	7	7
Turkey	233	239	268	265	289	348	411	323
United Kingdom	323	176	144	144	173	164	212	240
United States	691	436	502	304	909	1,072	1,526	1,854
West Germany	475	288	242	152	232	187	197	216
Other	288	225	204	176	195	299	241	277
Total OECD Imports	**8,053**	**6,516**	**6,454**	**5,585**	**7,229**	**7,389**	**8,153**	**9,103**

* Persian Gulf consists of Bahrain, Iran, Iraw, Kuwait, Qatar, Saudi Arabia, and UAE.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

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Total Demand for All Products
Total U.S.
Thousands of barrels per day

	Finished Motor Gasoline	Naphtha Jet Fuel*	Kerosine Jet Fuel	Kerosine	Distil-late Fuel Oil	Residual Fuel Oil	Other Products+	All Products
1919	242.9	NA	NA	90.9	NA	NA	692.2	**1,026.0**
1920	297.7	NA	NA	90.4	NA	NA	857.0	**1,245.0**
1921	320.1	NA	NA	80.9	NA	NA	853.0	**1,254.0**
1922	377.5	NA	NA	95.5	NA	NA	982.1	**1,455.0**
1923	478.0	NA	NA	97.4	NA	NA	1,211.7	**1,787.0**
1924	537.1	NA	NA	100.3	NA	NA	1,240.6	**1,878.0**
1925	637.7	NA	NA	109.5	NA	NA	1,244.8	**1,992.0**
1926	734.6	NA	NA	104.5	NA	NA	1,299.9	**2,139.0**
1927	836.6	NA	NA	102.7	NA	NA	1,261.7	**2,201.0**
1928	925.9	NA	NA	99.0	NA	NA	1,325.1	**2,350.0**
1929	1,049.0	NA	NA	98.7	NA	NA	1,429.3	**2,577.0**
1930	1,089.3	NA	NA	95.2	NA	NA	1,354.5	**2,539.0**
1931	1,106.4	NA	NA	85.7	NA	NA	1,280.8	**2,473.0**
1932	1,032.2	NA	NA	90.8	177.9	664.1	317.1	**2,282.0**
1933	1,042.5	NA	NA	105.5	177.4	709.5	344.2	**2,379.0**
1934	1,124.2	NA	NA	121.2	205.0	727.5	342.1	**2,520.0**
1935	1,191.3	NA	NA	130.5	235.7	769.0	367.5	**2,694.0**
1936	1,315.9	NA	NA	140.5	280.8	841.2	406.7	**2,985.0**
1937	1,422.9	NA	NA	150.6	320.1	891.8	417.6	**3,203.0**
1938	1,432.9	NA	NA	154.4	321.8	799.5	405.4	**3,114.0**
1939	1,521.9	NA	NA	165.8	369.8	886.3	427.2	**3,371.0**
1940	1,610.6	NA	NA	187.9	439.5	929.4	457.6	**3,625.0**
1941	1,828.8	NA	NA	190.3	473.5	1,050.5	527.9	**4,071.0**
1942	1,614.0	NA	NA	191.1	508.7	1,111.5	546.7	**3,972.0**
1943	1,556.8	NA	NA	187.9	570.2	1,279.5	573.6	**4,168.0**
1944	1,728.1	NA	NA	196.2	571.9	1,399.0	670.8	**4,566.0**
1945	1,907.8	NA	NA	207.1	619.4	1,434.0	688.7	**4,857.0**
1946	2,014.8	NA	NA	244.1	665.5	1,315.2	672.5	**4,912.0**
1947	2,178.1	NA	NA	280.9	817.2	1,420.6	755.2	**5,452.0**
1948	2,380.5	NA	NA	306.6	832.2	1,367.6	888.1	**5,775.0**
1949	2,503.3	NA	NA	281.3	902.1	1,359.0	757.3	**5,803.0**
1950	2,724.1	NA	NA	322.9	1,081.9	1,517.2	860.9	**6,507.0**
1951	2,985.1	NA	NA	337.7	1,225.4	1,546.3	946.5	**7,041.0**
1952	3,122.9	55.0	NA	340.8	1,303.2	1,521.0	937.1	**7,280.0**
1953	3,303.5	94.5	NA	313.6	1,337.2	1,535.6	1,019.7	**7,604.0**
1954	3,368.5	128.6	NA	324.1	1,442.1	1,431.0	1,065.7	**7,760.0**
1955	3,643.3	166.3	NA	320.0	1,592.1	1,526.2	1,212.1	**8,480.0**

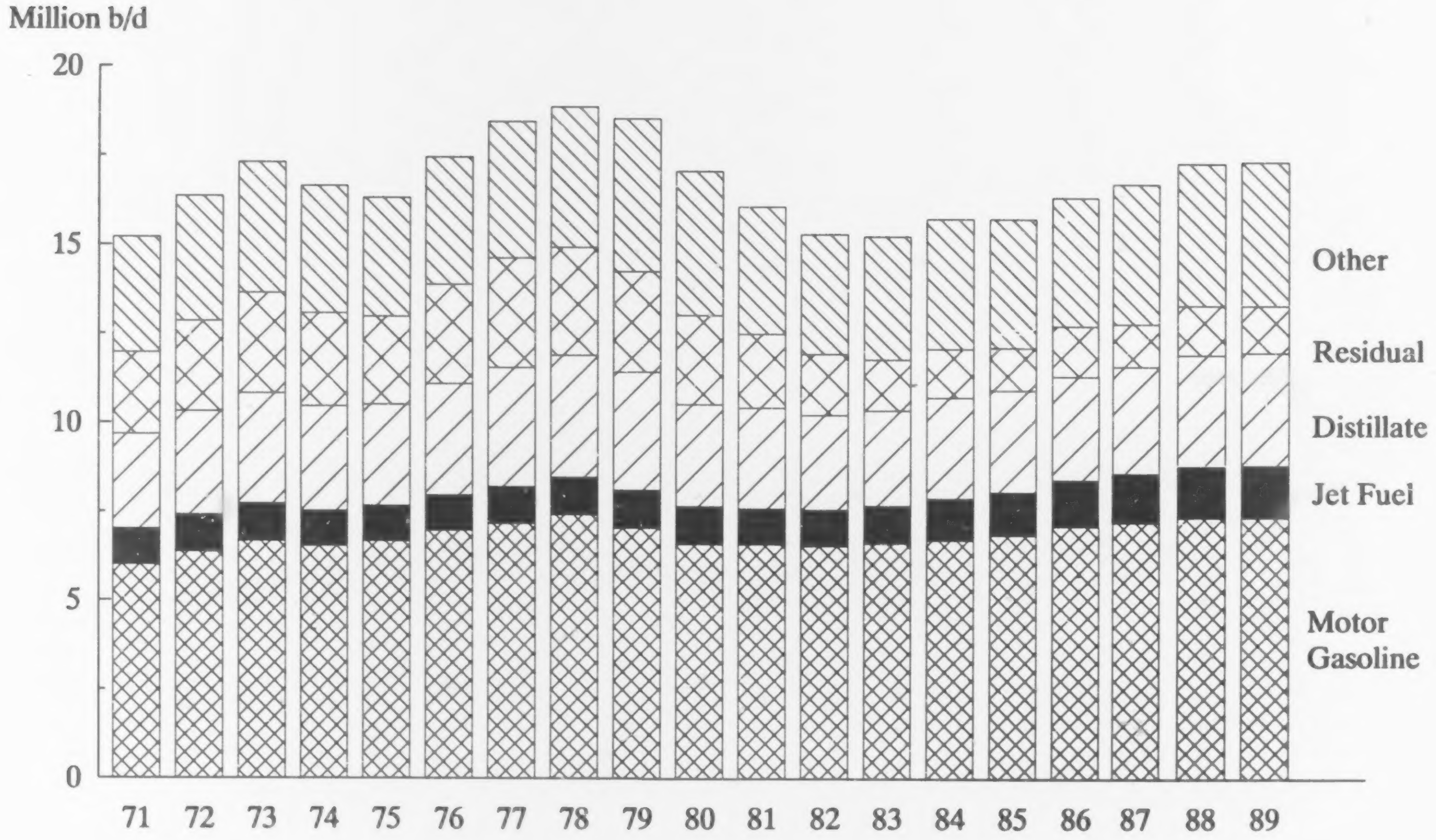
Total Demand for All Products
Total U.S.
Thousands of barrels per day

	Finished Motor Gasoline	Naphtha Jet Fuel*	Kerosine Jet Fuel	Kerosine	Distillate Fuel Oil	Residual Fuel Oil	Other Products+	All Products
1956	3,751.6	197.1	NA	320.6	1,682.7	1,537.7	1,289.3	**8,779.0**
1957	3,816.3	199.9	NA	295.1	1,687.9	1,503.6	1,315.2	**8,818.0**
1958	3,934.0	258.0	NA	310.4	1,790.2	1,455.0	1,335.5	**9,083.0**
1959	4,069.3	285.6	NA	301.2	1,808.2	1,543.7	1,443.1	**9,451.0**
1960	4,130.3	280.9	NA	362.0	1,872.3	1,528.5	1,487.0	**9,661.0**
1961	4,200.5	286.1	NA	395.7	1,902.4	1,503.2	1,518.1	**9,806.0**
1962	4,341.6	307.9	NA	449.8	2,006.6	1,495.4	1,632.7	**10,234.0**
1963	4,471.5	315.7	NA	471.8	2,047.3	1,476.5	1,768.2	**10,551.0**
1964	4,402.6	324.0	NA	487.5	2,050.3	1,515.3	2,036.4	**10,816.0**
1965	4,592.6	268.0	334.0	267.4	2,125.5	1,608.3	2,107.3	**11,303.0**
1966	4,808.0	278.5	391.0	277.0	2,184.6	1,716.3	2,194.6	**11,850.0**
1967	4,958.3	305.6	518.0	274.2	2,241.5	1,786.0	2,193.4	**12,277.0**
1968	5,260.6	345.8	609.0	281.7	2,357.1	1,857.6	2,405.2	**13,117.0**
1969	5,526.0	297.0	694.0	275.0	2,466.5	1,977.9	2,900.7	**14,137.0**
1970	5,784.5	249.0	718.0	262.9	2,540.3	2,203.5	2,938.9	**14,697.2**
1971	6,014.4	260.0	751.0	249.1	2,661.1	2,296.0	2,980.8	**15,212.5**
1972	6,376.4	242.0	803.0	234.6	2,912.9	2,529.1	3,269.0	**16,367.0**
1973	6,674.4	217.0	842.0	216.2	3,092.4	2,822.4	3,443.3	**17,307.7**
1974	6,537.5	222.0	771.0	176.3	2,947.7	2,639.0	3,359.3	**16,652.7**
1975	6,674.6	209.0	791.0	158.9	2,850.9	2,461.8	3,175.8	**16,322.0**
1976	6,977.7	199.0	789.0	169.2	3,133.1	2,801.0	3,392.2	**17,461.1**
1977	7,176.8	208.0	831.0	175.2	3,351.6	3,071.0	3,617.7	**18,431.4**
1978	7,411.8	199.0	858.0	175.5	3,431.7	3,022.6	3,748.1	**18,846.6**
1979	7,034.5	200.0	876.0	187.9	3,314.3	2,826.2	4,077.2	**18,516.0**
1980	6,578.5	217.0	851.0	158.4	2,866.1	2,508.3	3,876.6	**17,055.9**
1981	6,587.5	198.0	809.0	126.9	2,828.7	2,087.8	3,419.8	**16,057.7**
1982	6,539.2	209.0	804.0	128.7	2,670.9	1,716.5	3,227.5	**15,295.7**
1983	6,622.2	207.0	839.0	127.0	2,690.2	1,420.8	3,325.0	**15,231.1**
1984	6,692.5	222.6	952.9	115.3	2,844.9	1,369.4	3,528.1	**15,725.6**
1985	6,831.1	213.7	1,004.6	113.9	2,868.0	1,202.3	3,492.7	**15,726.4**
1986	7,034.1	202.3	1,105.1	98.3	2,914.4	1,418.4	3,508.2	**16,280.6**
1987	7,205.7	204.2	1,180.8	94.6	2,976.5	1,264.4	3,738.9	**16,665.0**
1988	7,336.5	212.7	1,235.9	96.2	3,121.6	1,377.8	3,902.6	**17,283.3**
1989	7,327.9	205.0	1,284.5	84.3	3,156.8	1,370.0	3,896.8	**17,325.2**

* Prior to 1965, may include some kerosine-type jet fuel.
+ A balancing item. Includes products shown as Not Available.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Domestic Demand



Source: EIA

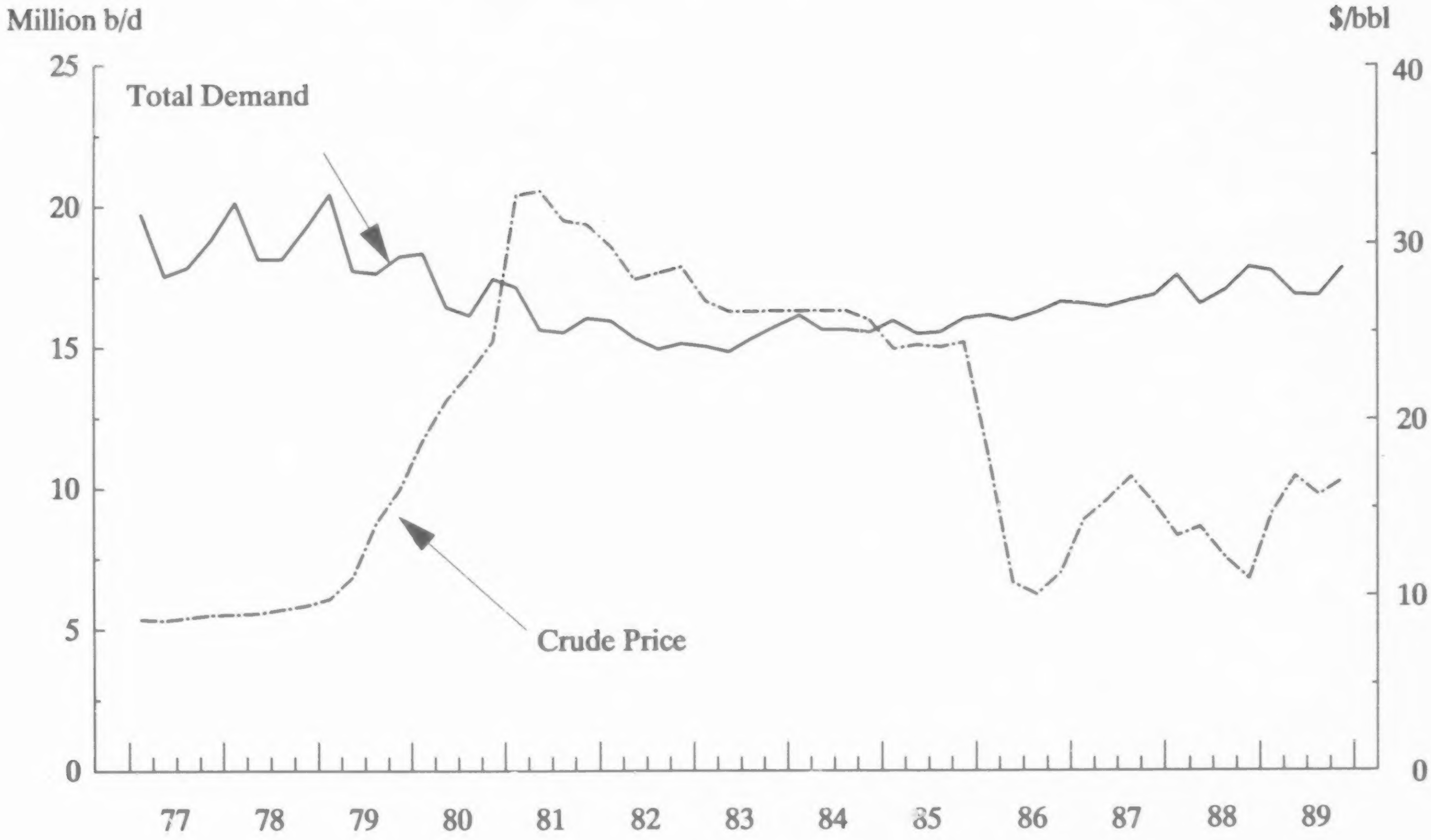
Total Petroleum Products Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	417	210	991	1,879	88	**3,586**
1961	429	213	994	1,916	89	**3,641**
1962	450	219	1,037	2,000	89	**3,796**
1963	456	217	1,082	2,073	93	**3,921**
1964	442	215	1,144	2,133	101	**4,034**
1965	461	238	1,187	2,201	115	**4,202**
1966	461	246	1,246	2,316	141	**4,411**
1967	483	255	1,258	2,427	161	**4,585**
1968	509	260	1,314	2,629	189	**4,902**
1969	525	263	1,379	2,741	251	**5,160**
1970	528	269	1,394	2,835	339	**5,364**
1971	533	262	1,409	2,949	399	**5,553**
1972	558	267	1,538	3,131	497	**5,990**
1973	543	272	1,637	3,302	563	**6,317**
1974	495	248	1,571	3,225	539	**6,078**
1975	481	230	1,475	3,266	506	**5,958**
1976	522	255	1,630	3,428	556	**6,391**
1977	517	264	1,763	3,560	624	**6,727**
1978	503	254	1,783	3,702	638	**6,879**
1979	399	231	1,952	3,650	525	**6,757**
1980	333	222	1,772	3,494	421	**6,242**
1981	297	190	1,560	3,463	352	**5,861**
1982	279	175	1,481	3,397	251	**5,583**
1983	271	201	1,407	3,433	247	**5,559**
1984	286	206	1,503	3,556	206	**5,756**
1985	309	185	1,470	3,601	175	**5,740**
1986	302	189	1,492	3,726	232	**5,942**
1987	308	191	1,553	3,829	201	**6,083**
1988	325	191	1,598	3,961	250	**6,326**

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total Demand and Crude Oil Price



Source: EIA

Total Demand for All Products
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	18,712.7	19,094.1	17,216.2	15,920.5	16,625.8	16,481.3	16,372.4	17,498.8	16,656.3	17,202.2	18,492.0	17,538.4	**17,317.6**
1974	17,285.9	17,365.7	16,103.7	15,928.5	15,725.7	16,117.1	16,348.7	16,549.7	16,023.8	17,050.0	17,351.3	18,013.0	**16,655.3**
1975	18,003.9	17,084.4	16,315.4	16,048.3	15,155.3	15,610.0	15,739.9	15,806.3	15,767.8	16,376.6	15,777.2	18,185.0	**16,322.5**
1976	18,646.9	17,509.3	17,302.0	16,671.5	15,977.4	16,824.6	16,606.7	16,642.0	16,836.8	17,090.4	18,846.9	20,559.9	**17,459.5**
1977	20,504.3	20,481.8	18,123.7	17,579.7	16,972.3	18,043.3	17,567.9	18,011.9	17,714.4	17,824.1	18,437.3	20,051.7	**18,442.7**
1978	19,752.3	20,900.0	19,652.0	17,747.1	18,230.4	18,259.7	17,633.3	18,638.7	17,953.5	18,417.5	19,156.2	19,944.3	**18,857.1**
1979	20,585.6	21,288.0	19,321.6	17,434.0	17,800.6	17,785.6	17,143.9	18,148.8	17,399.8	18,175.8	18,355.1	18,921.8	**18,530.1**
1980	18,851.5	18,817.2	17,376.9	16,784.5	16,237.7	16,187.0	16,007.8	15,752.9	16,598.4	16,994.7	16,702.0	18,410.4	**17,060.1**
1981	18,429.7	16,988.9	15,906.8	15,349.7	15,353.0	16,094.6	15,682.4	15,262.7	15,654.6	15,821.7	15,592.7	16,596.2	**16,061.1**
1982	16,124.0	16,001.4	15,560.5	16,046.3	14,846.6	14,998.1	14,820.6	14,839.3	15,021.9	14,858.6	15,009.1	15,487.2	**15,301.1**
1983	14,722.3	14,791.9	15,540.5	14,692.1	14,504.7	15,288.8	15,018.8	15,480.1	15,505.9	14,962.3	15,499.8	16,725.9	**15,227.8**
1984	16,800.8	15,437.2	16,050.0	15,568.2	15,619.9	15,708.7	15,497.7	16,116.5	15,247.4	15,616.5	15,626.6	15,375.1	**15,722.0**
1985	16,109.2	16,121.3	15,372.6	15,471.7	15,503.6	15,482.9	15,433.7	16,060.1	15,099.0	15,943.5	15,502.8	16,611.3	**15,726.0**
1986	16,088.0	16,186.0	16,276.3	15,944.6	15,993.2	16,049.4	16,306.9	16,618.3	15,909.0	16,602.4	16,221.1	17,131.0	**16,277.2**
1987	16,684.2	16,908.0	16,164.8	16,523.5	16,026.0	16,829.7	17,113.0	16,346.5	16,669.9	16,941.1	16,343.0	17,444.8	**16,666.2**
1988	17,402.6	17,759.5	17,611.7	16,560.5	16,196.9	17,059.4	16,694.7	17,482.4	17,071.6	17,579.7	17,619.7	18,365.2	**17,283.7**
1989	17,268.7	17,919.6	17,989.0	16,624.0	16,546.1	17,496.8	16,452.9	17,360.4	16,795.0	17,303.6	17,311.0	18,857.7	**17,327.1**

Total Demand for All Products
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	580,092	534,636	533,703	477,616	515,400	494,440	507,544	542,464	499,689	533,269	554,761	543,689	**6,317,303**
1974	535,862	486,240	499,215	477,855	487,496	483,514	506,811	513,041	480,714	528,551	520,538	558,402	**6,078,239**
1975	558,121	478,362	505,776	481,449	469,813	468,301	487,936	489,995	473,035	507,675	473,317	563,735	**5,957,515**
1976	578,054	507,769	536,362	500,146	495,299	504,737	514,809	515,903	505,104	529,801	565,408	637,358	**6,390,750**
1977	635,634	573,491	561,836	527,390	526,142	541,300	544,605	558,368	531,432	552,547	553,120	621,603	**6,727,468**
1978	612,321	585,201	609,213	532,413	565,141	547,792	546,633	577,798	538,605	570,942	574,686	618,272	**6,879,017**
1979	638,153	596,063	598,971	523,021	551,819	533,569	531,462	562,612	521,994	563,450	550,652	586,576	**6,758,342**
1980	584,396	545,699	538,684	503,534	503,370	485,610	496,242	488,339	497,952	526,836	501,061	570,722	**6,242,445**
1981	571,321	475,689	493,111	460,490	475,943	482,838	486,154	473,143	469,637	490,471	467,780	514,481	**5,861,058**
1982	499,843	448,039	482,375	481,389	460,244	449,944	459,437	460,018	450,658	460,615	450,272	480,104	**5,582,938**
1983	456,390	414,173	481,756	440,764	449,646	458,664	465,584	479,884	465,176	463,830	464,995	518,504	**5,559,366**
1984	520,825	447,678	497,551	467,046	484,217	471,260	480,430	499,611	457,421	484,110	468,797	476,629	**5,755,575**
1985	499,385	451,396	476,552	464,151	480,611	464,487	478,444	497,862	452,970	494,249	465,083	514,951	**5,740,141**
1986	498,728	453,209	504,565	478,339	495,789	481,482	505,514	515,167	477,269	514,674	486,633	531,060	**5,942,429**
1987	517,210	473,425	501,109	495,706	496,806	504,892	530,502	506,741	500,097	525,173	490,290	540,790	**6,082,741**
1988	539,481	515,026	545,962	496,816	502,103	511,781	517,536	541,955	512,149	544,972	528,590	569,322	**6,325,693**
1989	535,329	501,749	557,660	498,719	512,928	524,903	510,039	538,172	503,850	536,411	519,331	584,589	**6,323,680**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total Demand for All Products
By Petroleum Administration for Defense Districts
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1983													
PAD 1	5,284.2	5,252.1	5,290.7	4,680.2	4,325.1	4,591.7	4,395.7	4,906.4	4,586.1	4,528.3	4,845.8	5,694.6	**4,865.1**
PAD 2	3,741.6	3,741.6	4,032.6	3,840.0	3,882.9	4,214.6	4,195.5	4,240.8	4,152.6	4,051.0	4,185.9	4,526.2	**4,067.1**
PAD 3	3,200.7	3,200.7	3,425.1	3,437.0	3,511.3	3,452.2	3,431.3	3,335.8	3,722.5	3,528.8	3,706.3	3,641.3	**3,466.1**
PAD 4	469.3	469.3	509.0	460.2	480.4	563.6	564.3	580.6	549.2	513.9	483.4	460.2	**508.6**
PAD 5	2,026.4	2,215.8	2,283.0	2,274.8	2,305.1	2,466.7	2,432.1	2,416.5	2,357.1	2,340.1	2,278.5	2,403.7	**2,316.7**
Total U.S.	**14,722.3**	**14,791.9**	**15,540.5**	**14,692.1**	**14,504.7**	**15,288.8**	**15,018.8**	**15,480.1**	**15,505.9**	**14,962.3**	**15,499.8**	**16,725.9**	**15,227.8**
1984													
PAD 1	6,074.9	5,041.3	5,332.7	4,700.3	4,505.5	4,705.4	4,150.7	4,837.5	4,416.2	4,605.8	5,021.2	5,049.5	**4,870.1**
PAD 2	4,196.9	3,880.6	4,141.9	4,037.1	4,342.5	4,355.7	4,340.4	4,353.2	4,242.1	4,426.8	4,356.9	4,035.3	**4,225.8**
PAD 3	3,797.9	3,776.3	3,622.1	3,921.1	3,752.6	3,705.4	3,929.1	3,864.9	28,717.5	3,576.0	3,429.8	3,506.4	**5,799.9**
PAD 4	476.9	478.5	464.7	485.1	514.0	547.9	553.0	580.7	520.8	542.2	505.3	479.3	**512.4**
PAD 5	2,254.3	2,260.4	2,488.6	2,424.6	2,505.3	2,394.2	2,524.6	5,273.7	2,480.9	2,465.6	2,313.3	2,304.7	**2,640.8**
Total U.S.	**16,800.8**	**15,437.2**	**16,050.0**	**15,568.2**	**15,619.9**	**15,708.7**	**15,497.7**	**16,116.5**	**15,247.4**	**15,616.5**	**15,626.6**	**15,375.1**	**15,722.0**
1985													
PAD 1	5,736.7	5,485.9	4,776.6	4,723.6	4,395.2	4,461.7	4,223.0	4,712.6	4,277.3	4,587.6	4,631.6	5,574.3	**4,798.8**
PAD 2	4,232.9	4,194.6	3,972.5	4,117.4	4,215.2	4,174.1	4,189.6	4,377.4	4,281.5	4,603.2	4,299.8	4,278.5	**4,244.7**
PAD 3	3,294.6	3,637.8	3,638.2	3,672.7	3,849.0	3,920.9	3,890.7	3,767.0	3,496.0	3,695.6	3,681.2	3,862.8	**3,700.5**
PAD 4	474.8	502.9	478.1	497.8	519.2	526.7	573.4	589.2	541.2	541.2	499.7	481.0	**518.8**
PAD 5	2,370.2	2,300.1	2,507.2	2,460.4	2,524.9	2,399.5	2,556.9	2,613.9	2,503.0	2,515.9	2,390.4	2,414.8	**2,463.1**
Total U.S.	**16,109.2**	**16,121.3**	**15,372.6**	**15,471.7**	**15,503.6**	**15,482.9**	**15,433.7**	**16,060.1**	**15,099.0**	**15,943.5**	**15,502.8**	**16,611.3**	**15,726.0**
1986													
PAD 1	5,755.2	5,722.5	5,247.1	5,114.1	4,776.8	4,849.4	4,885.3	5,125.9	4,717.5	5,155.2	5,070.0	5,798.2	**5,184.8**
PAD 2	3,956.5	3,802.9	4,095.7	4,092.1	4,141.5	4,080.2	4,386.5	4,388.4	4,128.2	4,419.6	4,146.2	4,128.8	**4,147.2**
PAD 3	3,520.0	3,782.0	3,831.3	3,712.1	3,960.1	3,752.5	3,814.7	3,790.5	3,920.7	3,949.5	4,001.7	4,209.3	**3,853.7**
PAD 4	464.6	450.0	490.6	507.2	550.4	555.6	552.6	578.8	560.5	527.9	484.2	474.2	**516.4**
PAD 5	2,391.7	2,428.6	2,611.6	2,519.2	2,564.3	2,811.7	2,667.8	2,734.7	2,582.0	2,550.2	2,519.0	2,520.5	**2,575.1**
Total U.S.	**16,088.0**	**16,186.0**	**16,276.3**	**15,944.6**	**15,993.2**	**16,049.4**	**16,306.9**	**16,618.3**	**15,908.9**	**16,602.4**	**16,221.1**	**17,131.0**	**16,277.2**
1987													
PAD 1	5,905.5	6,145.0	5,287.0	5,115.1	4,814.7	4,917.2	5,053.1	4,892.4	4,993.1	5,220.3	5,338.9	5,914.8	**5,299.7**
PAD 2	3,816.4	3,781.5	3,904.8	3,998.7	4,022.3	4,352.4	4,177.0	4,084.3	4,322.9	4,522.9	3,963.9	4,133.2	**4,090.0**
PAD 3	4,042.1	3,999.1	3,979.4	4,240.3	4,090.3	4,210.0	4,492.7	4,082.6	4,167.5	4,036.0	3,981.3	4,228.0	**4,129.1**
PAD 4	465.3	452.4	468.1	513.5	511.6	575.1	587.7	554.9	529.9	552.8	481.6	457.5	**512.5**
PAD 5	2,454.9	2,530.0	2,525.5	2,656.0	2,587.2	2,775.1	2,802.4	2,732.3	2,656.5	2,609.1	2,577.3	2,711.4	**2,634.8**
Total U.S.	**16,684.3**	**16,908.0**	**16,164.8**	**16,523.6**	**16,026.0**	**16,829.7**	**17,112.9**	**16,346.5**	**16,669.9**	**16,941.1**	**16,343.0**	**17,444.9**	**16,666.2**
1988													
PAD 1	6,162.6	6,255.7	5,787.4	5,031.6	4,764.7	5,002.5	4,775.4	5,304.3	5,030.8	5,358.9	5,499.5	6,398.0	**5,447.6**
PAD 2	4,105.9	4,208.1	4,277.8	4,019.5	4,095.5	4,382.3	4,[illegible]89.5	4,365.5	4,371.6	4,446.7	4,402.7	4,345.1	**4,259.2**
PAD 3	3,921.3	4,040.6	4,229.7	4,268.9	4,126.4	4,273.3	4,318.9	4,333.5	4,278.6	4,364.6	4,344.7	4,340.9	**4,236.8**
PAD 4	468.0	491.6	533.6	501.2	529.8	579.6	577.6	605.7	540.6	515.0	487.9	487.7	**526.5**
PAD 5	2,702.8	2,695.2	2,760.9	2,688.7	2,611.2	2,763.1	2,823.1	2,793.4	2,737.8	2,851.8	2,833.4	2,809.1	**2,755.9**
Total U.S.	**17,360.6**	**17,691.3**	**17,589.4**	**16,509.8**	**16,127.7**	**17,000.8**	**16,584.6**	**17,402.3**	**16,959.4**	**17,537.1**	**17,568.2**	**18,380.9**	**17,226.0**
1989													
PAD 1	5,851.1	6,357.0	5,879.5	5,076.9	4,854.5	5,067.2	4,852.4	5,120.4	4,837.5	5,181.6	5,574.7	6,761.2	**5,451.1**
PAD 2	3,978.3	4,395.4	4,396.2	4,020.3	4,172.3	4,363.0	4,052.6	4,391.9	4,177.5	4,385.4	4,308.2	4,553.1	**4,266.2**
PAD 3	4,281.7	4,024.6	4,523.4	4,421.7	4,351.7	4,518.1	4,296.8	4,293.3	4,474.5	4,492.8	4,260.2	4,321.3	**4,355.0**
PAD 4	488.5	492.8	517.1	502.4	512.9	579.8	563.8	607.4	562.0	549.0	504.6	492.0	**531.0**
PAD 5	2,669.1	2,649.8	2,672.8	2,602.6	2,654.7	2,968.8	2,687.3	2,947.5	2,743.5	2,694.8	2,663.4	2,730.1	**2,723.7**
Total U.S.	**17,268.7**	**17,919.6**	**17,989.0**	**16,623.9**	**16,546.1**	**17,496.8**	**16,452.9**	**17,360.4**	**16,795.0**	**17,303.6**	**17,311.0**	**18,857.7**	**17,327.1**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total Demand for Motor Gasoline
Total U.S.
Thousands of barrels per day

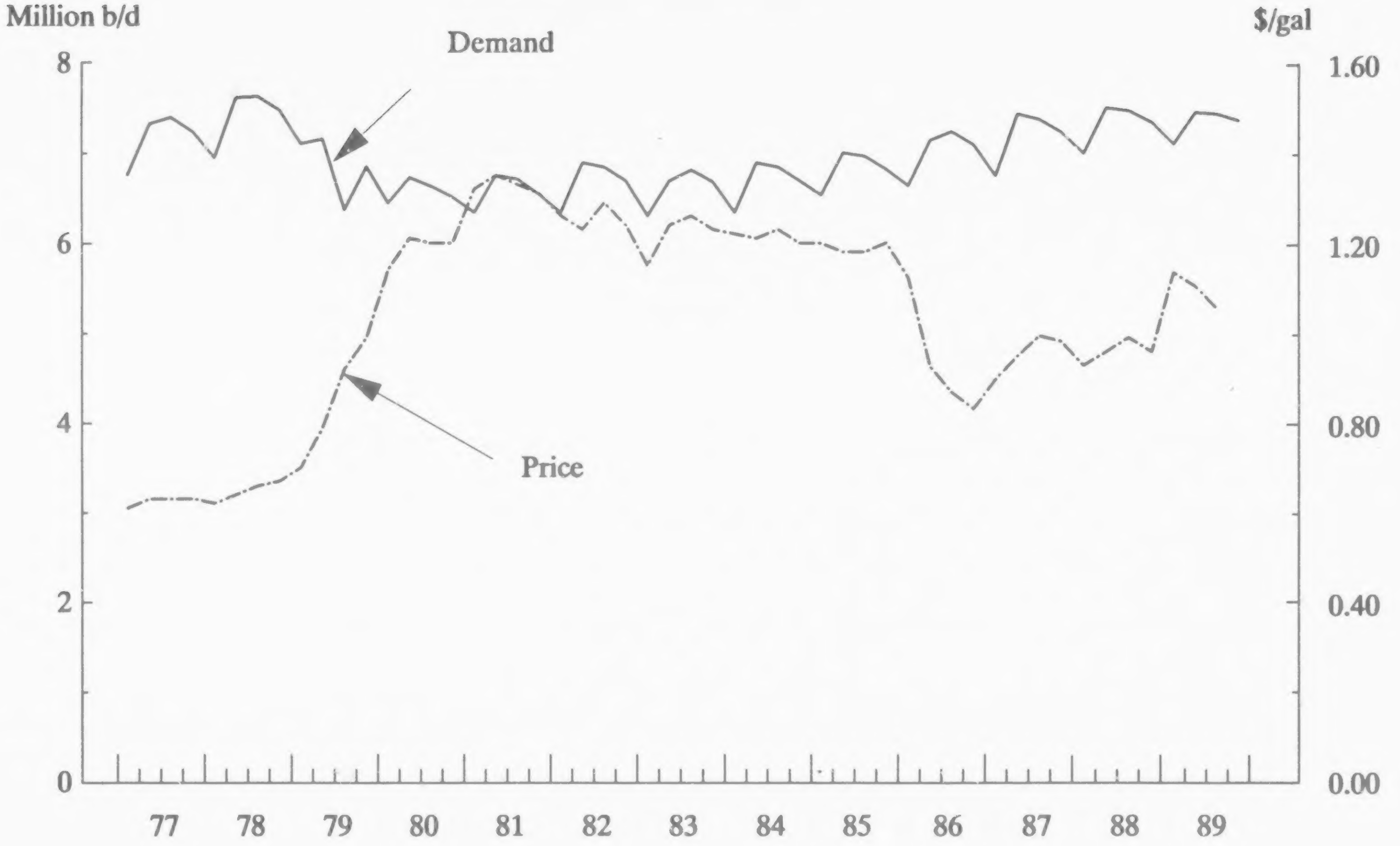
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	6,117.6	6,436.5	6,512.9	6,541.4	6,907.3	6,963.7	7,023.1	7,256.6	6,580.6	6,676.9	6,823.0	6,236.8	**6,673.0**
1974	5,804.4	6,099.9	6,161.9	6,456.9	6,745.4	6,919.2	6,959.1	7,061.4	6,387.6	6,712.2	6,546.5	6,557.9	**6,534.4**
1975	6,205.9	6,096.1	6,325.7	6,718.1	6,871.3	7,076.2	7,040.6	7,008.3	6,728.7	6,777.6	6,389.7	6,808.0	**6,670.5**
1976	6,398.3	6,263.5	6,890.5	7,159.4	6,853.0	7,481.9	7,315.2	7,168.2	7,078.5	6,929.0	7,038.2	7,137.8	**6,976.1**
1977	6,472.2	6,899.7	6,907.9	7,345.1	7,029.3	7,592.8	7,439.5	7,419.9	7,316.1	7,130.4	7,191.4	7,374.7	**7,176.6**
1978	6,681.2	6,876.4	7,255.0	7,202.3	7,724.4	7,913.1	7,575.9	7,872.3	7,398.6	7,447.9	7,503.1	7,451.5	**7,408.5**
1979	6,830.4	7,254.4	7,229.0	7,055.0	7,213.4	7,190.8	6,901.8	7,330.3	6,880.8	7,020.5	6,790.9	6,730.4	**7,035.6**
1980	6,322.6	6,596.3	6,406.1	6,799.9	6,729.5	6,657.2	6,742.6	6,648.2	6,509.9	6,662.3	6,233.5	6,631.8	**6,578.3**
1981	6,431.2	6,300.6	6,302.6	6,602.3	6,614.9	7,027.8	6,823.0	6,636.8	6,662.0	6,577.7	6,372.8	6,681.1	**6,586.1**
1982	5,960.6	6,195.8	6,466.4	6,897.4	6,655.0	6,835.3	6,790.4	6,614.0	6,531.0	6,390.5	6,574.5	6,548.7	**6,538.3**
1983	6,050.7	6,000.3	6,835.8	6,452.3	6,617.0	6,993.6	6,765.4	6,935.5	6,726.9	6,588.2	6,603.1	6,846.2	**6,617.9**
1984	6,264.5	6,231.4	6,528.1	6,676.1	6,890.4	7,106.8	6,830.1	7,093.1	6,588.5	6,729.5	6,800.0	6,555.0	**6,691.1**
1985	6,348.4	6,587.5	6,664.1	6,955.6	7,060.0	6,996.7	7,008.2	7,241.5	6,629.5	6,896.6	6,770.2	6,792.4	**6,829.2**
1986	6,501.9	6,468.9	6,954.8	7,104.6	7,106.4	7,209.1	7,435.5	7,434.8	6,864.4	7,249.6	6,878.9	7,142.6	**7,029.3**
1987	6,534.8	6,795.9	6,964.2	7,314.0	7,460.4	7,539.5	7,581.2	7,338.3	7,205.2	7,305.4	7,151.3	7,251.2	**7,203.5**
1988	6,692.8	7,039.1	7,322.8	7,430.0	7,302.9	7,817.2	7,481.9	7,556.4	7,403.8	7,271.0	7,378.5	7,344.0	**7,336.7**
1989	6,744.8	7,118.9	7,421.1	7,157.1	7,380.5	7,780.4	7,296.2	7,717.0	7,240.4	7,301.6	7,353.0	7,410.2	**7,326.8**

Total Demand for Motor Gasoline
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	189,647	180,223	201,901	196,243	214,125	208,912	217,717	224,955	197,417	206,985	204,689	193,342	**2,436,156**
1974	179,935	170,797	191,020	193,708	209,107	207,577	215,732	218,904	191,628	208,078	196,396	203,295	**2,386,177**
1975	192,382	170,691	196,097	201,542	213,010	212,285	218,258	217,257	201,861	210,107	191,690	211,049	**2,436,229**
1976	198,347	181,641	213,605	214,782	212,442	224,458	226,772	222,214	212,355	214,799	211,147	221,272	**2,553,834**
1977	200,637	193,191	214,144	220,352	217,907	227,783	230,624	230,018	219,484	221,043	215,741	228,616	**2,619,540**
1978	207,118	192,540	224,905	216,070	239,456	237,392	234,852	244,041	221,959	230,886	225,094	230,996	**2,705,309**
1979	211,741	203,122	224,099	211,651	223,615	215,723	213,957	227,238	206,424	217,634	203,728	208,641	**2,567,573**
1980	196,000	191,292	198,589	203,998	208,614	199,717	209,022	206,094	195,296	206,532	187,006	205,587	**2,407,747**
1981	199,366	176,416	195,382	198,068	205,061	210,834	211,513	205,741	199,859	203,909	191,184	207,115	**2,404,448**
1982	184,779	173,483	200,459	206,923	206,306	205,058	210,502	205,034	195,929	198,107	197,234	203,011	**2,386,825**
1983	187,573	168,007	211,909	193,569	205,126	209,807	209,728	215,001	201,807	204,233	198,092	212,231	**2,417,083**
1984	194,200	180,711	202,372	200,284	213,602	213,203	211,734	219,886	197,654	208,613	203,999	203,204	**2,449,462**
1985	196,799	184,449	206,588	208,669	218,861	209,902	217,255	224,487	198,884	213,796	203,105	210,565	**2,493,360**
1986	201,560	181,130	215,599	213,138	220,298	216,274	230,501	230,479	205,933	224,737	206,367	221,421	**2,567,437**
1987	202,580	190,286	215,891	219,421	231,273	226,184	235,018	227,487	216,156	226,466	214,540	224,788	**2,630,090**
1988	207,478	204,134	227,007	222,900	226,390	234,515	231,938	234,248	222,114	225,402	221,355	227,664	**2,685,145**
1989	209,090	199,330	230,053	214,712	228,797	233,412	226,181	239,228	217,212	226,350	220,589	229,717	**2,674,671**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Motor Gasoline Demand and Price *



* Average all grades

Source: EIA

Demand for Gasoline by Type
Total U.S.
Thousands of barrels per day

		January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1983:	Leaded	2,686.4	2,736.2	3,213.8	2,960.7	3,058.6	3,201.8	3,019.7	3,099.5	3,036.1	2,877.3	2,911.2	2,880.3	**2,973.5**
	Unleaded	3,364.4	3,264.0	3,622.0	3,491.7	3,558.4	3,791.8	3,745.7	3,836.0	3,690.8	3,710.9	3,691.8	3,965.8	**3,644.4**
1984:	Leaded	2,659.3	2,646.7	2,778.0	2,818.9	2,886.0	2,892.8	2,772.9	2,810.5	2,615.3	2,636.3	2,554.8	2,387.4	**2,704.9**
	Unleaded	3,605.3	3,584.7	3,750.2	3,857.2	4,004.4	4,213.9	4,057.2	4,282.5	3,973.2	4,093.2	4,245.1	4,167.6	**3,986.2**
1985:	Leaded	2,332.1	2,461.4	2,461.7	2,559.6	2,614.5	2,514.5	2,463.6	2,486.5	2,272.7	2,411.6	2,292.7	2,231.2	**2,425.2**
	Unleaded	4,016.3	4,126.0	4,202.5	4,396.0	4,445.5	4,482.2	4,544.7	4,755.1	4,356.7	4,485.0	4,477.4	4,561.2	**4,404.0**
1986:	Leaded	2,098.2	2,103.7	2,276.7	2,321.7	2,377.6	2,295.6	2,253.5	2,296.9	2,051.1	2,164.1	1,960.5	1,950.0	**2,179.1**
	Unleaded	4,403.7	4,365.2	4,678.2	4,782.9	4,728.8	4,913.5	5,182.0	5,137.9	4,813.4	5,085.5	4,918.4	5,192.6	**4,850.2**
1987:	Leaded	1,713.1	1,728.0	1,771.2	1,908.9	1,891.1	1,861.0	1,841.0	1,682.1	1,668.8	1,669.7	1,562.2	1,536.7	**1,736.2**
	Unleaded	4,821.7	5,067.9	5,193.0	5,405.1	5,569.3	5,678.5	5,740.2	5,656.2	5,536.4	5,635.6	5,589.1	5,714.5	**5,467.3**
1988:	Leaded	1,297.5	1,431.7	1,429.2	1,439.2	1,441.7	1,481.2	1,337.8	1,324.1	1,288.6	1,283.2	1,221.2	1,124.4	**1,341.7**
	Unleaded	5,395.3	5,607.4	5,893.6	5,990.8	5,861.2	6,335.9	6,144.1	6,232.3	6,115.2	5,987.8	6,157.3	6,219.6	**5,995.0**
1989:	Leaded	991.0	978.3	1,041.3	909.1	926.2	916.0	786.7	783.4	797.4	659.3	596.5	483.3	**822.4**
	Unleaded	5,753.9	6,140.6	6,379.7	6,247.9	6,454.4	6,864.4	6,509.5	6,933.6	6,443.0	6,642.3	6,756.5	6,926.9	**6,504.4**

Demand for Gasoline by Type
Total U.S.
Thousands of barrels

		January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1983:	Leaded	83,277	76,614	99,628	88,820	94,817	96,053	93,612	96,083	91,084	89,196	87,337	89,290	**1,085,811**
	Unleaded	104,296	91,393	112,281	104,750	110,309	113,754	116,116	118,917	110,723	115,037	110,755	122,941	**1,331,272**
1984:	Leaded	82,437	76,754	86,117	84,567	89,466	86,785	85,960	87,127	78,459	81,725	76,645	74,009	**990,051**
	Unleaded	111,763	103,957	116,255	115,717	124,136	126,417	125,774	132,759	119,195	126,888	127,353	129,195	**1,459,409**
1985.	Leaded	72,295	68,920	76,312	76,789	81,051	75,435	76,371	77,080	68,182	74,760	68,782	69,167	**885,144**
	Unleaded	124,504	115,529	130,276	131,880	137,809	134,467	140,885	147,407	130,702	139,036	134,322	141,398	**1,608,215**
1986:	Leaded	65,045	58,904	70,577	69,651	73,706	68,868	69,859	71,204	61,532	67,086	58,815	60,451	**795,698**
	Unleaded	136,515	122,226	145,023	143,486	146,592	147,405	160,642	159,276	144,402	157,651	147,552	160,970	**1,771,740**
1987:	Leaded	53,107	48,385	54,907	57,268	58,625	55,829	57,072	52,144	50,063	51,762	46,866	47,637	**633,665**
	Unleaded	149,472	141,900	160,984	162,152	172,648	170,355	177,946	175,343	166,093	174,704	167,674	177,150	**1,996,421**
1988:	Leaded	40,224	41,520	44,306	43,175	44,694	44,437	41,472	41,048	38,658	39,780	36,636	34,856	**490,806**
	Unleaded	167,254	162,614	182,701	179,725	181,696	190,077	190,466	193,200	183,457	185,622	184,720	192,808	**2,194,340**
1989:	Leaded	30,720	27,393	32,280	27,274	28,712	27,479	24,387	24,286	23,922	20,438	17,895	14,982	**299,768**
	Unleaded	178,370	171,937	197,772	187,438	200,085	205,932	201,794	214,942	193,290	205,912	202,694	214,735	**2,374,901**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Motor Gasoline Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	**Total**
1960	0	13	73	1,367	0	**1,453**
1961	0	13	69	1,393	0	**1,476**
1962	0	14	70	1,448	0	**1,533**
1963	0	14	67	1,501	0	**1,582**
1964	0	14	65	1,532	0	**1,611**
1965	0	15	65	1,596	0	**1,676**
1966	0	15	61	1,679	0	**1,755**
1967	0	16	58	1,736	0	**1,810**
1968	0	16	58	1,852	0	**1,925**
1969	0	16	56	1,945	0	**2,017**
1970	0	16	55	2,040	0	**2,111**
1971	0	16	52	2,127	0	**2,195**
1972	0	17	48	2,269	0	**2,334**
1973	0	17	49	2,371	0	**2,436**
1974	0	16	45	2,326	0	**2,386**
1975	0	17	43	2,377	0	**2,436**
1976	0	18	40	2,495	0	**2,554**
1977	0	19	37	2,563	0	**2,620**
1978	0	20	34	2,651	0	**2,705**
1979	0	20	31	2,517	0	**2,568**
1980	0	20	30	2,357	0	**2,408**
1981	0	17	30	2,357	0	**2,404**
1982	0	17	26	2,344	0	**2,387**
1983	0	19	21	2,376	0	**2,417**
1984	0	20	30	2,399	0	**2,449**
1985	0	18	41	2,434	0	**2,493**
1986	0	20	39	2,508	0	**2,567**
1987	0	21	39	2,570	0	**2,630**
1988	0	21	37	2,627	0	**2,685**

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Motor Gasoline Sales by State
Thousands of barrels

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	46,715	44,029	43,819	44,319	45,364	44,797	47,907	49,624	49,339	50,533
Alaska	4,795	5,067	5,598	5,267	5,928	6,374	6,108	5,776	5,858	5,691
Arizona	31,636	32,010	31,943	33,593	35,475	37,045	38,930	40,080	40,681	40,712
Arkansas	28,067	27,095	26,749	26,866	28,406	27,767	28,858	29,567	30,290	30,426
California	261,715	258,163	253,822	262,682	271,752	277,530	289,896	298,646	307,152	317,591
Colorado	35,867	35,867	36,029	37,161	36,060	37,117	37,905	37,279	37,183	36,558
Connecticut	31,609	30,858	30,594	31,145	31,899	33,178	34,371	35,353	33,272	35,587
Delaware	6,996	6,919	6,725	7,352	7,625	7,767	7,935	8,055	8,268	8,316
Dist. of Columbia	4,082	4,073	4,060	4,000	4,314	3,883	3,989	4,318	4,445	4,349
Florida	114,536	115,359	116,671	120,910	125,279	130,048	135,494	140,826	143,816	146,145
Georgia	68,451	66,904	67,104	69,152	72,711	74,968	78,888	81,455	84,280	85,092
Hawaii	8,441	8,282	8,312	8,460	8,835	8,326	8,681	9,166	8,955	9,345
Idaho	11,627	11,216	10,859	10,938	10,913	11,036	11,176	11,005	11,404	11,614
Illinois	114,685	109,476	107,675	109,746	108,371	115,158	112,659	113,628	118,377	99,085
Indiana	63,956	62,304	57,890	59,030	60,046	60,939	62,434	65,370	65,716	69,234
Iowa	37,171	35,108	33,829	33,208	33,291	32,615	32,559	32,611	33,215	33,570
Kansas	31,219	30,211	29,432	29,530	29,648	29,385	29,735	30,138	31,589	30,885
Kentucky	41,795	41,288	40,991	41,293	42,018	41,345	44,056	44,178	44,995	44,366
Louisiana	49,555	50,081	51,074	51,215	51,586	50,771	51,442	49,115	49,161	48,650
Maine	12,310	11,851	12,039	12,378	12,638	13,050	13,858	14,443	15,671	15,197
Maryland	46,219	45,701	44,973	45,058	46,649	47,055	48,280	49,247	49,996	51,377
Massachusetts	54,802	53,570	53,238	53,970	55,719	56,872	58,526	59,325	60,537	60,029
Michigan	101,763	95,580	90,377	87,640	96,246	97,288	99,691	102,089	104,515	104,253
Minnesota	48,697	45,945	45,981	47,274	49,635	50,866	48,591	48,407	49,826	50,056
Mississippi	28,449	28,771	27,426	27,575	28,358	29,311	30,028	30,239	30,117	29,959
Missouri	61,967	60,205	59,402	60,382	61,934	62,244	65,765	65,584	66,191	65,676
Montana	10,951	11,025	10,771	10,949	10,851	10,518	10,558	10,497	10,684	10,688
Nebraska	20,175	19,012	18,871	18,498	18,573	18,503	18,496	18,479	19,082	19,074
Nevada	11,912	12,108	11,673	11,663	12,013	12,122	12,740	13,516	14,415	15,078
New Hampshire	9,791	9,493	9,364	9,648	10,343	10,641	11,471	12,242	12,562	12,555
New Jersey	77,643	74,821	75,536	80,283	79,957	78,835	83,919	85,381	83,139	84,075
New Mexico	17,698	17,678	17,729	17,641	18,199	18,652	19,066	19,565	19,734	19,537
New York	134,966	135,118	133,747	130,740	117,329	141,475	141,843	146,878	135,688	137,376
North Carolina	69,816	68,445	67,690	69,315	72,429	73,642	76,850	79,002	80,649	80,226
North Dakota	9,696	9,725	9,597	9,288	9,298	9,184	8,954	9,078	8,711	8,601
Ohio	118,633	113,492	108,598	110,352	112,964	112,834	116,148	119,339	119,367	119,719
Oklahoma	43,935	45,772	45,934	45,420	44,709	45,021	44,017	42,210	40,142	41,705
Oregon	31,681	30,262	28,836	29,117	30,077	29,873	30,822	31,260	32,496	32,577
Pennsylvania	112,758	106,583	104,384	104,061	105,294	105,470	107,711	109,295	113,492	112,153
Rhode Island	9,091	8,774	8,591	8,706	8,800	9,024	9,385	9,442	9,555	9,166
South Carolina	37,198	36,409	36,091	36,647	38,141	38,827	40,484	40,018	37,982	35,802
South Dakota	10,084	9,610	9,358	9,269	9,272	9,225	9,404	9,346	9,435	9,479
Tennessee	57,570	56,868	56,081	55,516	59,557	60,356	63,132	65,584	60,517	62,733
Texas	193,012	194,030	195,278	199,850	202,428	211,886	216,325	211,094	211,668	209,453
Utah	17,500	16,883	17,477	17,269	17,922	17,905	18,255	18,201	18,569	15,615
Vermont	5,687	5,574	5,641	5,763	6,002	6,019	6,182	6,720	6,936	6,762
Virginia	61,886	60,254	59,372	60,815	63,465	64,749	67,036	71,280	71,959	72,487
Washington	44,822	44,580	44,074	45,694	47,627	45,534	48,431	52,746	51,400	55,559
West Virginia	20,125	19,158	19,306	19,089	19,064	19,082	19,200	19,746	20,015	19,926
Wisconsin	51,842	49,233	47,192	47,901	48,157	48,166	49,074	48,729	50,409	50,528
Wyoming	8,898	8,930	8,558	8,066	8,526	7,928	7,830	7,462	7,592	7,843
Total U.S.	**2,534,494**	**2,479,772**	**2,446,359**	**2,481,701**	**2,531,696**	**2,592,296**	**2,665,092**	**2,712,632**	**2,731,046**	**2,733,015**

Data from Oil & Gas Journal Energy Database.
Source: Federal Highway Administration

Demand for Jet Naphtha
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	195.9	189.7	189.3	247.9	219.9	223.7	197.9	233.6	213.8	255.0	196.4	239.2	**216.9**
1974	173.1	165.6	203.4	217.6	270.9	242.1	213.8	238.8	263.0	228.7	240.1	208.5	**222.1**
1975	170.4	206.0	205.3	191.9	215.4	192.7	193.1	212.8	233.7	220.4	236.6	238.3	**209.7**
1976	142.1	188.1	190.6	206.0	214.8	195.3	213.4	189.1	242.8	177.5	211.1	214.4	**198.8**
1977	175.1	199.2	231.2	227.3	206.5	206.8	198.3	213.3	203.0	198.7	229.1	206.7	**207.9**
1978	154.3	208.8	198.8	209.1	219.2	189.5	192.4	219.8	197.3	208.0	201.6	187.2	**198.8**
1979	178.5	198.8	184.5	186.0	192.2	236.7	210.8	188.3	191.4	205.5	218.0	207.9	**199.9**
1980	205.9	188.8	250.7	221.3	214.5	214.2	206.0	224.6	221.0	208.0	216.3	230.3	**216.8**
1981	175.4	188.1	215.3	187.5	207.3	208.8	228.8	195.4	227.0	173.1	195.3	173.6	**198.0**
1982	164.3	219.4	210.2	222.3	208.3	229.1	221.3	224.5	192.6	191.5	209.6	213.8	**208.9**
1983	192.7	233.3	222.5	196.5	220.7	208.3	215.8	224.4	195.2	179.5	189.8	206.0	**207.1**
1984	190.9	200.9	203.7	257.6	241.0	211.5	232.2	256.5	229.9	222.0	234.1	190.6	**222.6**
1985	217.6	211.6	186.7	243.9	228.2	232.0	207.5	210.7	207.6	217.4	210.6	191.9	**213.8**
1986	199.6	183.0	191.4	170.7	218.5	215.4	234.5	188.0	199.4	206.7	208.8	208.9	**202.1**
1987	159.3	214.3	195.9	199.2	188.6	233.3	224.5	217.9	221.1	203.3	221.0	174.9	**204.4**
1988	199.2	231.8	195.2	217.9	210.9	215.1	211.6	204.2	206.6	214.1	217.7	229.7	**212.8**
1989	174.2	200.1	211.5	200.1	224.2	214.1	203.6	223.6	200.0	221.1	182.1	204.1	**204.9**

Demand for Jet Naphtha
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	6,072	5,312	5,869	7,437	6,818	6,711	6,134	7,241	6,413	7,905	5,892	7,416	**79,220**
1974	5,365	4,637	6,306	6,527	8,399	7,262	6,627	7,404	7,891	7,089	7,202	6,462	**81,171**
1975	5,282	5,768	6,364	5,758	6,678	5,782	5,985	6,597	7,012	6,833	7,097	7,387	**76,543**
1976	4,405	5,456	5,910	6,181	6,659	5,860	6,616	5,863	7,283	5,501	6,332	6,647	**72,713**
1977	5,428	5,577	7,167	6,820	6,401	6,205	6,148	6,613	6,090	6,159	6,873	6,407	**75,888**
1978	4,784	5,846	6,164	6,274	6,795	5,684	5,965	6,815	5,920	6,448	6,047	5,804	**72,546**
1979	5,532	5,566	5,721	5,579	5,958	7,100	6,534	5,836	5,742	6,370	6,541	6,446	**72,925**
1980	6,383	5,474	7,771	6,639	6,649	6,427	6,386	6,964	6,631	6,447	6,489	7,139	**79,399**
1981	5,437	5,267	6,674	5,624	6,426	6,265	7,092	6,056	6,811	5,365	5,860	5,381	**72,258**
1982	5,092	6,142	6,517	6,669	6,457	6,872	6,860	6,960	5,777	5,938	6,288	6,627	**76,199**
1983	5,973	6,532	6,899	5,896	6,843	6,249	6,690	6,956	5,856	5,564	5,693	6,386	**75,537**
1984	5,918	5,827	6,315	7,727	7,471	6,345	7,199	7,951	6,898	6,881	7,023	5,909	**81,464**
1985	6,745	5,925	5,787	7,318	7,074	6,959	6,432	6,531	6,229	6,738	6,319	5,949	**78,006**
1986	6,188	5,125	5,933	5,120	6,773	6,461	7,271	5,828	5,983	6,408	6,265	6,475	**73,830**
1987	4,939	6,000	6,073	5,976	5,848	6,999	6,959	6,754	6,633	6,303	6,630	5,423	**74,537**
1988	6,175	6,722	6,051	6,538	6,539	6,453	6,560	6,329	6,199	6,636	6,532	7,121	**77,855**
1989	5,400	5,602	6,555	6,002	6,949	6,424	6,313	6,933	6,000	6,853	5,462	6,328	**74,821**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Demand for Jet Kerosine
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	914.1	900.5	804.4	766.9	892.5	783.7	848.2	815.6	856.6	849.4	828.6	847.5	842.3
1974	722.1	694.4	752.3	723.0	782.2	709.6	814.3	792.2	846.3	782.5	791.7	834.1	770.4
1975	870.8	868.6	776.8	814.1	762.0	796.6	760.8	833.6	806.0	776.3	762.5	672.8	791.8
1976	805.6	777.1	774.3	803.7	745.4	776.4	885.4	776.2	805.0	733.6	767.3	812.9	788.6
1977	878.6	836.9	808.4	790.0	784.0	780.7	842.9	897.3	844.9	817.3	806.1	884.1	830.9
1978	825.6	899.3	908.3	802.2	777.5	854.7	821.4	906.6	879.2	859.3	905.1	859.2	858.2
1979	917.8	950.6	916.1	794.3	796.5	858.1	883.7	896.9	907.6	849.3	851.7	894.8	876.4
1980	897.0	883.0	865.5	886.6	793.8	843.5	903.6	818.1	834.0	822.9	808.5	852.1	850.7
1981	888.3	829.7	839.7	780.1	713.9	837.9	845.1	829.4	803.4	758.5	786.7	801.9	809.6
1982	870.9	833.3	769.4	781.8	799.2	761.1	780.5	757.5	839.9	768.9	844.6	841.6	804.1
1983	767.3	825.5	783.1	834.4	787.1	865.9	860.5	849.0	881.4	820.2	818.9	975.1	839.0
1984	1,010.6	918.6	897.8	903.2	905.0	892.1	956.3	992.0	976.7	1,001.8	924.2	1,050.5	952.4
1985	1,018.1	966.0	976.4	1,007.0	906.0	910.2	1,009.3	997.9	1,001.7	1,040.7	1,065.5	1,152.2	1,004.2
1986	1,090.3	1,093.3	1,007.3	1,086.4	1,029.8	1,106.5	1,090.6	1,163.6	1,121.5	1,065.6	1,171.0	1,235.8	1,105.1
1987	1,201.6	1,212.9	1,168.6	1,145.7	1,118.2	1,127.1	1,165.4	1,198.6	1,139.5	1,263.6	1,137.7	1,287.9	1,180.6
1988	1,360.5	1,281.4	1,194.8	1,172.6	1,157.3	1,205.9	1,192.5	1,236.8	1,216.1	1,277.2	1,221.3	1,313.6	1,235.8
1989	1,333.8	1,342.0	1,276.9	1,150.5	1,103.4	1,285.8	1,218.[illegible]	1,260.4	1,315.7	1,252.5	1,337.3	1,540.6	1,284.8

Demand for Jet Kerosine
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	28,337	25,215	24,935	23,007	27,667	23,510	26,293	25,283	25,698	26,331	24,857	26,274	307,407
1974	22,385	19,4[illegible]2	23,320	21,689	24,248	21,289	25,244	24,557	25,389	24,257	23,752	25,857	281,429
1975	26,994	24,320	24,080	24,424	23,623	23,899	23,586	25,843	24,179	24,066	22,875	20,858	288,747
1976	24,974	22,536	24,004	24,110	23,107	23,291	27,447	24,063	24,151	22,742	23,020	25,200	288,645
1977	27,236	23,434	25,059	23,700	24,305	23,420	26,129	27,815	25,346	25,336	24,182	27,407	303,369
1978	25,593	25,181	28,157	24,065	24,101	25,642	25,463	28,104	26,375	26,639	27,154	26,634	313,108
1979	28,451	26,616	28,398	23,830	24,691	25,744	27,394	27,803	27,227	26,328	25,552	27,740	319,774
1980	27,808	25,608	26,831	26,598	24,607	25,305	28,011	25,360	25,020	25,509	24,255	26,415	311,327
1981	27,538	23,231	26,032	23,403	22,130	25,138	26,197	25,711	24,103	23,515	23,601	24,859	295,458
1982	26,999	23,333	23,851	23,455	24,775	22,832	24,194	23,482	25,197	23,837	25,339	26,090	293,384
1983	23,785	23,115	24,275	25,031	24,401	25,978	26,677	26,318	26,443	25,427	24,568	30,229	306,247
1984	31,330	26,639	27,832	27,096	28,054	26,764	29,645	30,751	29,300	31,057	27,726	32,567	348,761
1985	31,560	27,049	30,269	30,209	28,085	27,307	31,287	30,936	30,050	32,263	31,965	35,717	366,697
1986	33,800	30,611	31,225	32,593	31,924	33,194	33,810	36,073	33,645	33,034	35,129	38,309	403,347
1987	37,249	33,960	36,227	34,372	34,665	33,813	36,128	37,156	34,184	39,172	34,132	39,924	430,982
1988	42,174	37,161	37,039	35,178	35,876	36,178	36,968	38,341	36,484	39,593	36,640	40,722	452,354
1989	41,348	37,576	39,583	34,515	34,205	38,574	37,780	39,071	39,471	38,827	40,119	47,759	468,828

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Demand for Kerosine
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	406.0	385.1	200.7	163.1	132.3	117.6	148.5	146.6	184.5	179.5	305.6	238.3	**217.3**
1974	311.5	280.9	178.0	130.0	71.3	114.7	124.6	140.6	137.9	192.4	195.5	244.2	**176.8**
1975	219.8	252.8	167.2	146.1	97.3	132.0	97.5	107.0	125.0	146.1	146.8	275.3	**159.4**
1976	298.0	217.8	158.7	139.0	78.0	20.6	99.5	94.3	149.5	155.6	215.8	304.7	**169.3**
1977	357.2	264.8	144.2	118.4	106.0	98.3	135.7	117.1	129.2	189.5	169.8	275.3	**175.5**
1978	310.7	319.1	200.4	108.1	124.9	91.0	94.3	112.6	175.0	173.0	177.3	228.1	**176.2**
1979	330.3	337.9	158.7	156.6	138.5	139.6	130.3	158.2	159.7	180.8	153.1	220.6	**188.7**
1980	238.7	231.7	174.7	140.6	112.2	118.0	114.6	137.0	131.0	144.9	124.0	234.2	**158.5**
1981	225.7	159.0	112.9	94.4	85.4	83.6	90.9	94.1	93.4	133.9	152.8	196.7	**126.9**
1982	205.3	177.5	117.4	108.8	103.7	82.6	96.3	78.3	107.8	141.3	139.8	187.5	**128.9**
1983	174.3	151.4	124.0	134.0	102.1	66.6	85.3	89.0	103.6	108.1	158.7	227.7	**127.1**
1984	208.2	112.3	126.5	111.3	62.8	85.3	88.9	80.5	115.2	83.2	172.5	137.0	**115.3**
1985	238.9	174.9	69.7	74.4	64.1	81.5	51.7	88.3	76.4	96.8	102.4	249.5	**114.1**
1986	170.4	140.1	124.6	53.7	67.6	30.5	61.8	98.8	56.5	100.1	117.7	157.0	**98.2**
1987	156.6	148.3	104.6	43.3	48.1	60.1	51.1	64.8	72.3	124.8	109.7	153.0	**94.7**
1988	176.8	141.0	101.0	67.9	68.2	46.6	56.5	57.0	81.3	87.4	116.9	154.1	**96.2**
1989	139.1	127.9	84.0	65.3	51.4	65.4	48.7	41.5	44.3	88.6	101.9	155.3	**84.4**

Demand for Kerosine
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	12,585	10,784	6,222	4,894	4,102	3,529	4,602	4,546	5,534	5,563	9,168	7,386	**78,915**
1974	9,657	7,866	5,518	3,899	2,210	3,442	3,864	4,360	4,136	5,964	5,866	7,570	**64,352**
1975	6,814	7,078	5,182	4,384	3,017	3,961	3,022	3,317	3,750	4,528	4,403	8,534	**57,990**
1976	9,239	6,317	4,920	4,169	2,419	3,618	3,085	2,922	4,486	4,825	6,474	9,446	**61,920**
1977	11,073	7,413	4,470	3,552	3,285	2,948	4,208	3,631	3,876	5,876	5,095	8,535	**63,962**
1978	9,633	8,935	6,213	3,242	3,873	2,730	2,924	3,491	5,249	5,364	5,3[illegible]	7,070	**64,042**
1979	10,238	9,462	4,920	4,697	4,294	4,189	4,038	4,903	4,792	5,605	4,594	6,838	**68,570**
1980	7,399	6,719	5,415	4,217	3,479	3,539	3,553	4,246	3,929	4,493	3,720	7,261	**57,970**
1981	6,997	4,452	3,501	2,833	2,647	2,507	2,818	2,918	2,803	4,150	4,583	6,098	**46,307**
1982	6,363	4,970	3,640	3,264	3,215	2,479	2,985	2,427	3,234	4,380	4,195	5,811	**46,963**
1983	5,403	4,240	3,844	4,020	3,164	1,999	2,645	2,758	3,109	3,350	4,762	7,059	**46,353**
1984	6,453	3,256	3,920	3,340	1,947	2,560	2,755	2,496	3,457	2,579	5,174	4,248	**42,185**
1985	7,405	4,897	2,160	2,232	1,988	2,445	1,604	2,736	2,292	3,001	3,072	7,736	**41,568**
1986	5,281	3,924	3,862	1,610	2,096	915	1,917	3,062	1,696	3,103	3,530	4,867	**35,863**
1987	4,855	4,152	3,244	1,299	1,492	1,804	1,585	2,010	2,169	3,869	3,291	4,743	**34,513**
1988	5,482	4,089	3,130	2,038	2,114	1,398	1,750	1,766	2,439	2,709	3,506	4,777	**35,198**
1989	4,313	3,580	2,603	1,958	1,594	1,963	1,511	1,285	1,330	2,746	3,058	4,813	**30,754**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Kerosine Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	62	8	28	0	1	**99**
1961	66	8	23	0	0	**97**
1962	65	8	25	0	0	**98**
1963	65	8	24	0	0	**97**
1964	57	8	28	0	0	**93**
1965	59	9	29	0	1	**98**
1966	56	11	35	0	0	**102**
1967	52	8	40	0	0	**100**
1968	56	11	36	0	0	**103**
1969	55	11	35	0	0	**101**
1970	53	11	33	0	0	**97**
1971	52	10	29	0	0	**91**
1972	48	10	28	0	0	**86**
1973	40	11	27	0	1	**79**
1974	32	10	22	0	0	**64**
1975	28	9	21	0	0	**58**
1976	33	8	22	0	0	**63**
1977	30	9	25	0	0	**64**
1978	27	10	27	0	0	**64**
1979	23	14	31	0	1	**69**
1980	19	7	32	0	0	**58**
1981	15	12	19	0	0	**46**
1982	17	5	25	0	0	**47**
1983	15	20	12	0	0	**47**
1984	16	16	10	0	0	**42**
1985	21	9	12	0	0	**42**
1986	15	7	13	0	1	**36**
1987	16	6	12	0	1	**35**
1988	18	7	10	0	0	**35**

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Demand for Distillate Fuel Oil
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	4,138.3	4,301.7	3,337.1	2,634.6	2,672.6	2,418.7	2,328.2	2,555.1	2,674.7	2,930.1	3,507.7	3,690.1	**3,099.1**
1974	3,835.4	3,848.8	3,164.1	2,852.2	2,450.0	2,377.0	2,308.6	2,308.9	2,385.4	2,887.0	3,156.6	3,853.0	**2,952.2**
1975	3,962.8	3,803.2	3,291.7	3,093.7	2,382.3	2,267.4	2,109.4	2,173.1	2,163.2	2,677.1	2,543.6	3,792.1	**2,855.0**
1976	4,297.4	3,697.1	3,339.2	2,787.6	2,519.2	2,436.3	2,255.1	2,237.3	2,619.8	3,031.4	3,713.8	4,667.3	**3,133.5**
1977	5,103.2	4,708.0	3,442.5	2,935.6	2,781.9	2,769.9	2,550.1	2,631.9	2,714.2	3,036.5	3,420.6	4,205.3	**3,358.3**
1978	4,458.2	4,848.4	4,107.9	3,111.4	3,103.4	2,836.7	2,522.3	2,800.3	2,663.6	3,076.9	3,582.8	4,156.0	**3,439.0**
1979	4,580.5	4,812.2	3,664.5	3,016.3	2,997.5	2,707.9	2,562.8	2,760.8	2,646.7	3,118.6	3,289.4	3,708.0	**3,322.1**
1980	3,713.6	3,711.9	3,178.8	2,634.6	2,401.9	2,317.2	2,248.8	2,136.9	2,587.3	2,920.4	2,949.0	3,615.1	**2,868.0**
1981	4,109.1	3,373.4	2,904.1	2,531.7	2,410.7	2,464.3	2,377.7	2,387.7	2,512.6	2,803.2	2,880.4	3,212.2	**2,830.6**
1982	3,484.3	3,085.1	2,944.8	2,977.9	2,444.4	2,451.6	2,057.6	2,217.8	2,506.6	2,581.4	2,474.8	2,855.4	**2,673.5**
1983	2,796.5	2,779.5	2,947.4	2,697.4	2,354.2	2,523.8	2,269.7	2,495.1	2,575.4	2,610.7	2,873.6	3,364.8	**2,690.7**
1984	3,524.9	2,834.0	3,259.5	2,926.3	2,813.6	2,593.4	2,503.9	2,558.8	2,654.5	2,765.1	2,826.6	2,864.7	**2,843.8**
1985	3,465.1	3,330.3	3,093.2	2,797.8	2,607.1	2,593.9	2,436.1	2,636.1	2,575.0	2,900.9	2,747.1	3,253.9	**2,869.7**
1986	3,329.8	3,416.1	3,168.3	2,904.0	2,762.5	2,543.8	2,592.4	2,620.8	2,540.2	2,912.0	2,877.0	3,328.5	**2,916.3**
1987	3,310.3	3,345.4	3,115.8	2,991.2	2,683.8	2,789.7	2,713.3	2,553.4	2,837.7	3,151.3	2,932.2	3,318.0	**2,978.5**
1988	3,558.1	3,557.0	3,538.5	2,864.0	2,795.4	2,854.3	2,640.0	2,872.6	2,821.0	3,218.3	3,182.9	3,560.5	**3,121.9**
1989	3,303.4	3,427.4	3,428.0	2,974.7	2,953.6	3,002.3	2,596.3	2,965.6	2,889.4	3,126.8	3,311.3	3,914.5	**3,157.8**

Demand for Distillate Fuel Oil
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	128,286	120,447	103,451	79,037	82,851	72,560	72,175	79,208	80,241	90,834	105,230	114,394	**1,128,714**
1974	118,898	107,765	98,088	85,566	75,949	71,311	71,566	71,575	71,561	89,496	94,699	119,442	**1,075,916**
1975	122,848	106,490	102,043	92,812	73,852	68,023	65,390	67,365	64,895	82,990	76,308	117,555	**1,040,571**
1976	133,220	107,215	103,515	83,629	78,096	73,088	69,909	69,355	78,594	93,972	111,415	144,687	**1,146,695**
1977	158,199	131,825	106,716	88,067	86,239	83,097	79,054	81,589	81,425	94,133	102,619	130,365	**1,223,328**
1978	138,203	135,754	127,345	93,342	96,204	85,100	78,190	86,808	79,909	95,383	107,483	128,835	**1,252,556**
1979	141,996	134,741	113,598	90,488	92,923	81,236	79,447	85,586	79,400	96,676	98,682	114,948	**1,209,721**
1980	115,121	107,645	98,544	79,039	74,460	69,516	69,714	66,245	77,620	90,533	88,471	112,067	**1,048,975**
1981	127,383	94,456	90,027	75,951	74,733	73,930	73,708	74,019	75,378	86,900	86,413	99,578	**1,032,476**
1982	108,012	86,383	91,289	89,338	75,776	73,547	63,786	68,752	75,197	80,022	74,245	88,518	**974,865**
1983	86,692	77,827	91,369	80,921	72,980	75,715	70,362	77,348	77,262	80,931	86,209	104,310	**981,926**
1984	109,271	82,185	101,043	87,790	87,223	77,803	77,622	79,322	79,634	85,719	84,799	88,806	**1,041,217**
1985	107,419	93,248	95,890	83,934	80,820	77,816	75,518	81,719	77,251	89,927	82,413	100,870	**1,046,825**
1986	103,223	95,652	98,216	87,119	85,637	76,313	80,364	81,246	76,205	90,271	86,309	103,184	**1,063,739**
1987	102,618	93,671	96,590	89,736	83,198	83,690	84,113	79,154	85,130	97,691	87,966	102,857	**1,086,414**
1988	110,302	103,153	109,695	85,921	86,658	85,628	81,841	89,052	84,629	99,767	95,488	110,375	**1,142,509**
1989	102,405	95,966	106,268	89,242	91,561	90,068	80,484	91,933	86,681	96,930	99,338	121,348	**1,152,224**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Distillate Fuel Oil Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	269	85	174	153	4	**685**
1961	276	87	175	153	3	**694**
1962	290	90	183	166	3	**732**
1963	289	90	181	183	4	**747**
1964	280	87	184	195	4	**750**
1965	294	92	197	188	5	**776**
1966	291	91	210	200	5	**797**
1967	305	95	212	199	7	**818**
1968	317	98	210	239	11	**875**
1969	316	98	214	257	15	**900**
1970	322	101	211	269	24	**927**
1971	326	102	217	292	34	**971**
1972	343	108	237	333	45	**1,066**
1973	344	110	252	381	42	**1,129**
1974	317	102	231	378	48	**1,076**
1975	310	101	230	364	36	**1,041**
1976	341	113	263	393	37	**1,147**
1977	342	116	295	427	43	**1,223**
1978	335	114	300	460	44	**1,253**
1979	279	100	303	499	27	**1,208**
1980	226	89	227	480	27	**1,049**
1981	197	78	238	498	21	**1,032**
1982	180	75	225	479	16	**975**
1983	159	112	196	499	16	**982**
1984	165	117	205	540	14	**1,041**
1985	171	107	204	550	15	**1,047**
1986	174	102	206	567	15	**1,064**
1987	177	102	211	582	14	**1,086**
1988	182	98	210	633	20	**1,143**

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Demand for Residual Fuel Oil
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	3,306.0	3,381.6	3,083.5	2,476.5	2,521.5	2,607.1	2,411.7	2,755.5	2,676.0	2,590.0	3,157.6	2,944.0	**2,825.9**
1974	3,035.5	2,991.3	2,555.8	2,437.0	2,259.9	2,404.9	2,473.1	2,529.3	2,475.0	2,611.2	2,935.4	2,983.4	**2,641.0**
1975	3,253.1	2,848.6	2,668.6	2,232.5	2,086.8	2,177.0	2,219.8	2,156.8	2,328.2	2,268.4	2,405.4	2,911.7	**2,463.1**
1976	3,117.8	3,076.8	2,779.3	2,495.6	2,439.5	2,508.9	2,548.3	2,678.2	2,526.4	2,547.1	3,253.2	3,644.6	**2,801.3**
1977	3,761.2	3,718.8	3,185.3	2,873.6	2,729.1	2,957.6	2,812.3	3,048.6	2,926.4	2,707.1	2,818.6	3,353.6	**3,074.4**
1978	3,517.6	3,973.5	3,539.7	3,002.8	2,686.5	2,625.1	2,771.6	2,928.7	2,715.8	2,620.8	2,844.8	3,106.7	**3,027.8**
1979	3,559.5	3,595.2	3,239.2	2,507.3	2,502.7	2,582.7	2,451.1	2,549.5	2,608.8	2,539.5	2,815.0	3,012.5	**2,830.3**
1980	3,067.4	3,104.8	2,658.3	2,444.4	2,234.8	2,320.7	2,290.7	2,286.2	2,358.5	2,226.9	2,451.0	2,679.3	**2,510.2**
1981	2,895.7	2,587.9	2,126.2	1,867.5	1,817.5	2,037.2	1,971.1	1,852.3	1,882.4	1,884.0	1,908.7	2,249.8	**2,090.0**
1982	2,184.8	2,344.2	1,903.1	1,922.8	1,559.8	1,500.9	1,550.0	1,530.4	1,470.4	1,490.1	1,590.9	1,598.4	**1,720.5**
1983	1,626.1	1,570.1	1,578.8	1,374.1	1,342.3	1,323.0	1,299.2	1,399.6	1,350.8	1,242.6	1,361.6	1,587.5	**1,421.3**
1984	1,978.9	1,651.2	1,619.1	1,384.0	1,237.1	1,343.5	1,192.5	1,261.3	1,168.1	1,066.2	1,352.5	1,189.2	**1,370.3**
1985	1,479.8	1,366.0	1,190.1	1,125.7	1,156.3	1,043.5	1,058.0	1,168.5	1,030.9	1,041.9	1,289.5	1,483.0	**1,202.8**
1986	1,407.1	1,477.5	1,434.6	1,402.3	1,344.8	1,376.6	1,508.1	1,485.3	1,295.9	1,258.9	1,390.8	1,637.8	**1,418.3**
1987	1,504.1	1,515.0	1,234.0	1,182.2	1,028.9	1,207.5	1,339.1	1,176.4	1,296.5	1,068.7	1,204.8	1,434.5	**1,266.0**
1988	1,661.5	1,698.1	1,476.4	1,318.3	937.6	1,083.4	1,216.8	1,319.5	1,229.8	1,343.0	1,504.2	1,753.6	**1,378.5**
1989	1,623.0	1,718.7	1,550.6	1,401.0	1,118.6	1,223.3	1,285.6	1,121.3	1,010.4	1,292.2	1,240.0	1,870.0	**1,371.2**

Demand for Residual Fuel Oil
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	102,485	94,684	95,589	74,296	78,165	78,214	74,764	85,419	80,279	80,290	94,729	91,263	**1,030,177**
1974	94,102	83,755	79,229	73,111	70,057	72,147	76,665	78,407	74,250	80,948	88,061	92,484	**963,216**
1975	100,845	79,762	82,727	66,974	64,690	65,310	68,814	66,860	69,846	70,320	72,162	90,262	**898,572**
1976	96,653	89,227	86,157	74,868	75,624	75,268	78,997	83,023	75,793	78,961	97,595	112,982	**1,025,148**
1977	116,598	104,126	98,743	86,209	84,603	88,729	87,181	94,506	87,793	83,920	84,557	103,962	**1,120,927**
1978	109,047	111,259	109,731	90,083	83,280	78,754	85,920	90,789	81,473	81,244	85,344	96,309	**1,103,233**
1979	110,346	100,665	100,415	75,219	77,584	77,480	75,984	79,035	78,264	78,726	84,451	93,388	**1,031,557**
1980	95,089	90,040	82,406	73,331	69,278	69,620	71,012	70,871	70,756	69,035	73,531	83,057	**918,028**
1981	89,767	72,462	65,911	56,026	56,342	61,115	61,105	57,421	56,472	58,404	57,260	69,745	**762,030**
1982	67,729	65,637	58,996	57,685	48,355	45,027	48,051	47,443	44,113	46,194	47,728	49,551	**626,509**
1983	50,410	43,964	48,942	41,222	41,612	39,690	40,274	43,389	40,525	38,521	40,847	49,211	**518,607**
1984	61,345	47,886	50,192	41,520	38,350	40,306	36,966	39,101	35,042	33,052	40,574	36,866	**501,200**
1985	45,874	38,247	36,892	33,772	35,846	31,304	32,799	36,222	30,926	32,300	38,686	45,973	**438,841**
1986	43,620	41,371	44,473	42,069	41,689	41,299	46,752	46,043	38,878	39,026	41,724	50,773	**517,717**
1987	46,627	42,421	38,254	35,466	31,897	36,224	41,511	36,467	38,894	33,131	36,145	44,469	**461,506**
1988	51,505	49,245	45,767	39,548	29,065	32,502	37,722	40,906	36,893	41,634	45,125	54,362	**504,274**
1989	50,313	48,124	48,069	42,031	34,677	36,699	39,853	34,761	30,312	40,057	37,201	57,971	**500,068**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Residual Fuel Oil Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	0	89	252	134	84	**559**
1961	0	90	242	132	85	**549**
1962	0	90	244	126	86	**546**
1963	0	87	244	119	89	**539**
1964	0	86	248	124	97	**555**
1965	0	103	252	123	109	**587**
1966	0	109	259	124	134	**626**
1967	0	114	253	131	154	**652**
1968	0	112	250	128	178	**668**
1969	0	111	254	121	236	**722**
1970	0	114	258	121	311	**804**
1971	0	107	257	111	363	**838**
1972	0	103	280	103	440	**926**
1973	0	106	295	116	513	**1,030**
1974	0	94	275	111	483	**963**
1975	0	78	240	113	468	**899**
1976	0	90	290	131	514	**1,025**
1977	0	94	308	145	574	**1,121**
1978	0	85	273	157	588	**1,103**
1979	0	80	263	195	494	**1,032**
1980	0	90	215	222	391	**918**
1981	0	66	172	194	330	**762**
1982	0	63	166	162	236	**627**
1983	0	33	126	131	229	**519**
1984	0	33	139	139	190	**501**
1985	0	30	120	130	159	**439**
1986	0	39	132	130	217	**518**
1987	0	42	107	129	184	**462**
1988	0	42	105	127	230	**504**

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Demand for Liquified Petroleum Gases & Ethane
Total U.S.
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	1,970.8	1,833.3	1,381.8	1,273.7	1,239.1	1,120.8	1,076.1	1,244.0	1,264.5	1,461.9	1,668.6	1,574.9	**1,425.8**
1974	1,744.8	1,554.4	1,371.4	1,283.8	1,142.2	1,220.2	1,150.0	1,185.1	1,325.8	1,458.2	1,572.0	1,663.7	**1,389.3**
1975	1,680.4	1,486.7	1,379.3	1,216.7	980.3	978.9	1,167.7	1,188.2	1,233.8	1,404.4	1,404.9	1,739.5	**1,321.7**
1976	1,844.3	1,502.0	1,285.5	1,185.5	1,121.5	1,093.9	1,089.5	1,196.4	1,223.2	1,481.6	1,732.8	1,907.5	**1,388.6**
1977	1,913.9	1,898.2	1,332.9	1,206.2	1,147.4	1,222.3	1,111.8	1,158.5	1,182.7	1,389.7	1,565.0	1,739.8	**1,405.7**
1978	1,854.3	1,788.6	1,413.4	1,149.7	1,156.2	1,109.5	1,109.5	1,073.1	1,323.6	1,468.7	1,576.7	1,819.3	**1,403.6**
1979	2,076.1	1,999.8	1,648.4	1,385.2	1,341.1	1,270.4	1,346.8	1,421.2	1,382.1	1,637.4	1,707.8	1,819.0	**1,586.3**
1980	1,956.2	1,755.2	1,499.3	1,196.4	1,291.0	1,199.0	1,143.6	1,147.6	1,376.7	1,593.5	1,526.2	1,879.8	**1,463.7**
1981	1,913.2	1,769.5	1,530.5	1,307.7	1,278.8	1,304.4	1,228.8	1,160.5	1,438.2	1,556.3	1,495.4	1,623.9	**1,467.3**
1982	1,863.3	1,621.1	1,614.7	1,457.6	1,402.6	1,253.7	1,399.2	1,276.1	1,462.9	1,420.8	1,582.7	1,642.3	**1,499.7**
1983	1,939.3	1,713.3	1,377.1	1,260.3	1,262.6	1,240.6	1,354.4	1,288.9	1,530.9	1,467.0	1,640.3	2,038.1	**1,509.4**
1984	2,015.5	1,689.9	1,593.2	1,425.9	1,398.8	1,380.4	1,443.9	1,489.9	1,461.7	1,650.4	1,588.5	1,724.5	**1,571.9**
1985	1,937.3	1,865.0	1,587.5	1,368.3	1,352.6	1,432.4	1,420.5	1,409.1	1,509.9	1,793.7	1,620.2	1,901.1	**1,599.8**
1986	1,799.6	1,732.6	1,499.7	1,286.5	1,238.0	1,158.3	1,287.2	1,261.6	1,455.6	1,749.9	1,816.5	1,874.9	**1,513.4**
1987	1,971.1	1,788.9	1,550.0	1,493.2	1,287.7	1,400.0	1,534.5	1,371.5	1,621.6	1,710.9	1,735.1	1,887.1	**1,612.6**
1988	2,098.7	1,929.4	1,706.8	1,328.9	1,324.3	1,333.3	1,411.9	1,489.6	1,697.7	1,761.0	1,781.7	2,009.9	**1,656.1**
1989	2,017.8	2,032.3	1,826.5	1,507.5	1,356.6	1,421.9	1,343.3	1,432.6	1,631.1	1,766.1	1,731.7	1,974.8	**1,670.2**

Demand for Liquified Petroleum Gases & Ethane
Total U.S.
Thousands of barrels

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	61,094	51,333	42,835	38,210	38,413	33,624	33,360	38,565	37,935	45,319	50,057	48,822	**519,567**
1974	54,088	43,524	42,512	38,515	35,407	36,605	35,651	36,738	39,773	45,205	47,161	51,576	**506,755**
1975	52,091	41,627	42,759	36,501	30,389	29,367	36,199	36,834	37,013	43,537	42,147	53,926	**482,390**
1976	57,172	43,557	39,850	35,564	34,768	32,816	33,774	37,088	36,695	45,930	51,985	59,132	**508,331**
1977	59,330	53,149	41,320	36,187	35,569	36,668	34,465	35,914	35,481	43,081	46,949	53,935	**512,048**
1978	57,482	50,080	43,816	34,491	35,843	33,284	34,396	33,266	39,709	45,530	47,302	56,399	**511,598**
1979	64,360	55,995	51,099	41,555	41,575	38,111	41,750	44,058	41,464	50,759	51,235	56,388	**578,349**
1980	60,641	50,900	46,479	35,893	40,022	35,969	35,451	35,576	41,301	49,398	45,785	58,274	**535,689**
1981	59,308	49,545	47,445	39,230	39,643	39,133	38,094	35,975	43,147	48,244	44,863	50,342	**534,969**
1982	57,762	45,392	50,057	43,728	43,480	37,611	43,374	39,558	43,886	44,045	47,480	50,911	**547,284**
1983	60,119	47,971	42,689	37,810	39,141	37,217	41,987	39,957	45,927	45,476	49,210	63,181	**550,685**
1984	62,480	49,006	49,389	42,778	43,364	41,412	44,761	46,188	43,851	51,163	47,654	53,458	**575,504**
1985	60,057	52,220	49,213	41,049	41,932	42,973	44,034	43,681	45,296	55,605	48,607	58,933	**583,600**
1986	55,789	48,512	46,490	38,594	38,378	34,749	39,903	39,109	43,669	54,246	54,496	58,122	**552,057**
1987	61,105	50,090	48,049	44,797	39,919	41,999	47,568	42,518	48,647	53,037	52,053	58,499	**588,281**
1988	65,059	55,952	52,910	39,868	41,052	40,000	43,770	46,177	50,931	54,592	53,452	62,306	**606,069**
1989	62,552	56,905	56,623	45,224	42,056	42,656	41,643	44,412	48,933	54,748	51,950	61,220	**608,922**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Liquified Petroleum Gases Demand by Sector
Millions of barrels

	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	85	15	122	5	0	**227**
1961	87	15	126	5	0	**234**
1962	95	17	138	5	0	**255**
1963	102	18	151	5	0	**276**
1964	105	19	165	6	0	**295**
1965	108	19	174	6	0	**307**
1966	115	20	183	6	0	**324**
1967	126	22	191	5	0	**344**
1968	136	24	220	6	0	**386**
1969	155	27	256	7	0	**446**
1970	153	27	260	7	0	**447**
1971	155	27	266	8	0	**457**
1972	167	29	314	10	0	**520**
1973	159	28	332	10	0	**529**
1974	146	26	330	11	0	**513**
1975	142	25	309	10	0	**486**
1976	148	26	330	10	0	**514**
1977	145	26	338	10	0	**519**
1978	141	25	342	8	0	**516**
1979	96	17	464	3	0	**581**
1980	88	16	429	5	0	**538**
1981	85	15	426	9	0	**535**
1982	82	14	442	9	0	**547**
1983	98	17	425	11	0	**551**
1984	105	19	440	11	0	**576**
1985	117	21	438	8	0	**584**
1986	113	20	411	7	0	**552**
1987	115	20	447	6	0	**588**
1988	124	22	454	6	0	**606**

Note: May not add to totals due to independent rounding.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Worldwide Crude Oil Consumption
Thousands of barrels per day

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
United States	13,815	14,350	14,845	15,990	16,870	16,150	15,875	16,980	17,925	18,255
Canada	1,440	1,525	1,585	1,655	1,755	1,785	1,735	1,790	1,810	1,835
North America	**15,255**	**15,875**	**16,430**	**17,645**	**18,625**	**17,935**	**17,610**	**18,770**	**19,735**	**20,090**
Latin America	2,510	2,645	2,820	3,060	3,355	3,495	3,520	3,570	3,820	3,975
Austria	160	185	205	215	235	210	215	230	225	240
Belgium & Luxembourg	500	560	570	620	635	560	535	560	565	585
Denmark	330	365	365	385	360	320	315	335	330	325
Finland	190	210	220	235	260	230	235	255	250	250
France	1,705	1,920	2,090	2,315	2,585	2,460	2,255	2,430	2,350	2,445
Greece	125	135	150	170	200	185	195	210	215	230
Iceland	10	10	10	10	15	15	10	10	10	10
Ireland	75	80	90	100	110	110	105	105	115	125
Italy	1,530	1,740	1,875	1,965	2,070	2,015	1,895	2,065	1,920	2,015
Netherlands	650	725	720	805	835	725	710	795	770	795
Norway	150	165	165	170	175	160	165	180	180	195
Portugal	80	95	115	120	130	135	140	145	150	150
Spain	495	565	635	655	790	820	865	970	930	955
Sweden	530	590	560	565	585	540	535	590	560	535
Switzerland	230	260	275	280	300	270	260	270	270	280
Turkey	140	155	180	200	250	255	275	310	340	315
United Kingdom	1,980	2,095	2,105	2,230	2,300	2,135	1,875	1,860	1,885	1,930
West Germany	2,420	2,655	2,745	2,885	3,070	2,760	2,655	2,855	2,855	2,960
Western Europe	**11,300**	**12,510**	**13,075**	**13,925**	**14,905**	**13,905**	**13,240**	**14,175**	**13,920**	**14,340**
Cyprus/Gibraltar/Malta	20	20	25	25	25	25	20	25	25	25
Middle East	920	965	1,055	1,115	1,210	1,320	1,320	1,475	1,565	1,620
Africa	795	855	900	920	1,010	1,035	1,050	1,155	1,205	1,290
China	400	560	725	855	1,065	1,225	1,350	1,530	1,630	1,705
Japan	3,390	4,000	4,435	4,735	5,460	5,270	5,020	5,190	5,350	5,420
Korea	130	165	185	195	240	250	280	315	380	430
Taiwan	50	60	80	95	120	120	145	180	195	235
South Asia	535	540	565	585	635	600	610	665	705	760
Other Asia	700	780	845	965	1,070	1,105	1,065	1,135	1,180	1,300
Asia	**5,205**	**6,105**	**6,835**	**7,430**	**8,590**	**8,570**	**8,470**	**9,015**	**9,440**	**9,850**
Australia	485	510	535	540	590	610	605	630	655	655
New Zealand	70	85	85	90	95	95	90	95	95	95
Australasia	**555**	**595**	**620**	**630**	**685**	**705**	**695**	**725**	**750**	**750**
USSR	4,815	5,310	5,655	6,115	6,595	7,280	7,520	7,780	8,125	8,480
E. Eur. & Oth. Communist*	1,400	1,535	1,715	1,870	2,010	2,090	2,235	2,430	2,595	2,675
Total World	**42,775**	**46,415**	**49,130**	**52,735**	**57,010**	**56,360**	**55,680**	**59,120**	**61,180**	**63,095**
Total Non-Communist	**36,160**	**39,010**	**41,035**	**43,895**	**47,340**	**45,765**	**44,575**	**47,380**	**48,830**	**50,235**
Total Communist	**6,615**	**7,405**	**8,095**	**8,840**	**9,670**	**10,595**	**11,105**	**11,740**	**12,350**	**12,860**
Total OECD	**30,500**	**32,980**	**34,560**	**36,935**	**39,675**	**37,815**	**36,565**	**38,860**	**39,755**	**40,800**

Worldwide Crude Oil Consumption
Thousands of barrels per day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
United States	17,910	16,460	15,550	14,765	14,745	15,175	15,170	15,670	16,035	16,525	16,585
Canada	1,915	1,855	1,760	1,565	1,475	1,425	1,490	1,475	1,515	1,590	1,660
North America	**19,825**	**18,315**	**17,310**	**16,330**	**16,220**	**16,600**	**16,660**	**17,145**	**17,550**	**18,115**	**18,245**
Latin America	4,445	4,615	4,660	4,765	4,680	4,645	4,645	4,755	4,985	5,070	5,265
Austria	250	245	225	210	205	200	200	215	220	215	215
Belgium & Luxembourg	560	540	500	475	435	420	430	485	490	500	480
Denmark	320	275	260	225	215	210	220	215	200	195	185
Finland	265	255	245	230	215	215	220	230	230	230	230
France	2,435	2,260	2,060	1,915	1,880	1,815	1,790	1,830	1,845	1,830	1,875
Greece	250	250	240	240	230	235	245	250	270	280	275
Iceland	15	10	10	10	10	10	10	10	10	10	15
Ireland	130	120	105	95	85	85	85	100	85	80	85
Italy	2,080	1,970	1,940	1,845	1,820	1,735	1,730	1,770	1,850	1,880	1,940
Netherlands	855	800	745	655	625	625	635	700	705	740	740
Norway	200	200	190	180	180	190	200	200	215	205	195
Portugal	165	170	180	195	195	195	180	195	190	185	195
Spain	1,015	1,070	1,040	990	1,010	955	925	925	945	970	1,010
Sweden	545	500	455	420	375	360	375	385	355	340	325
Switzerland	270	270	250	235	260	250	255	280	265	265	255
Turkey	300	300	315	335	330	370	345	375	435	465	465
United Kingdom	1,945	1,670	1,560	1,580	1,530	1,850	1,630	1,645	1,610	1,690	1,730
West Germany	3,050	2,725	2,465	2,355	2,340	2,330	2,390	2,530	2,445	2,445	2,295
Western Europe	**14,650**	**13,630**	**12,785**	**12,190**	**11,940**	**12,050**	**11,865**	**12,340**	**12,365**	**12,525**	**12,510**
Cyprus/Gibraltar/Malta	30	30	30	30	30	35	35	40	45	50	50
Middle East	1,925	2,020	2,130	2,190	2,425	2,540	2,680	2,660	2,705	2,805	2,920
Africa	1,360	1,450	1,525	1,610	1,630	1,630	1,725	1,705	1,770	1,820	1,830
China	1,835	1,765	1,705	1,660	1,705	1,735	1,810	2,010	2,110	2,210	2,360
Japan	5,485	4,935	4,695	4,395	4,390	4,620	4,435	4,495	4,500	4,805	5,005
Korea	490	485	480	480	505	510	515	570	605	720	825
Taiwan	265	285	270	270	300	315	330	375	395	475	515
South Asia	775	825	890	935	950	1,030	1,160	1,210	1,245	1,360	1,450
Other Asia*	1,630	1,650	1,715	1,640	1,590	1,570	1,510	1,580	1,685	1,810	2,015
Asia	**10,480**	**9,945**	**9,755**	**9,380**	**9,440**	**9,780**	**9,760**	**10,240**	**10,540**	**11,380**	**12,170**
Australia	665	630	625	610	590	610	590	610	635	650	690
New Zealand	90	90	85	85	80	85	80	85	95	95	100
Australasia	**755**	**720**	**710**	**695**	**670**	**695**	**670**	**695**	**730**	**745**	**790**
USSR	8,640	9,065	9,155	9,095	8,970	8,980	8,950	8,995	8,985	8,885	8,795
Eastern Europe*	2,400	2,335	2,210	2,125	2,055	2,060	2,125	2,200	2,165	2,170	2,160
Total World	**64,510**	**62,125**	**60,270**	**58,410**	**58,060**	**59,015**	**59,115**	**60,775**	**61,840**	**63,565**	**64,735**
Total Non-Communist	**51,280**	**48,605**	**46,835**	**45,165**	**44,965**	**45,885**	**45,880**	**47,210**	**48,205**	**49,920**	**51,020**
Total Communist	**13,230**	**13,520**	**13,435**	**13,245**	**13,095**	**13,130**	**13,235**	**13,565**	**13,635**	**13,645**	**13,715**
Total OECD	**40,715**	**37,600**	**35,500**	**33,610**	**33,220**	**33,965**	**33,630**	**34,675**	**35,145**	**36,190**	**36,550**

* Other Communist is included in Other Asia beginning in 1979.

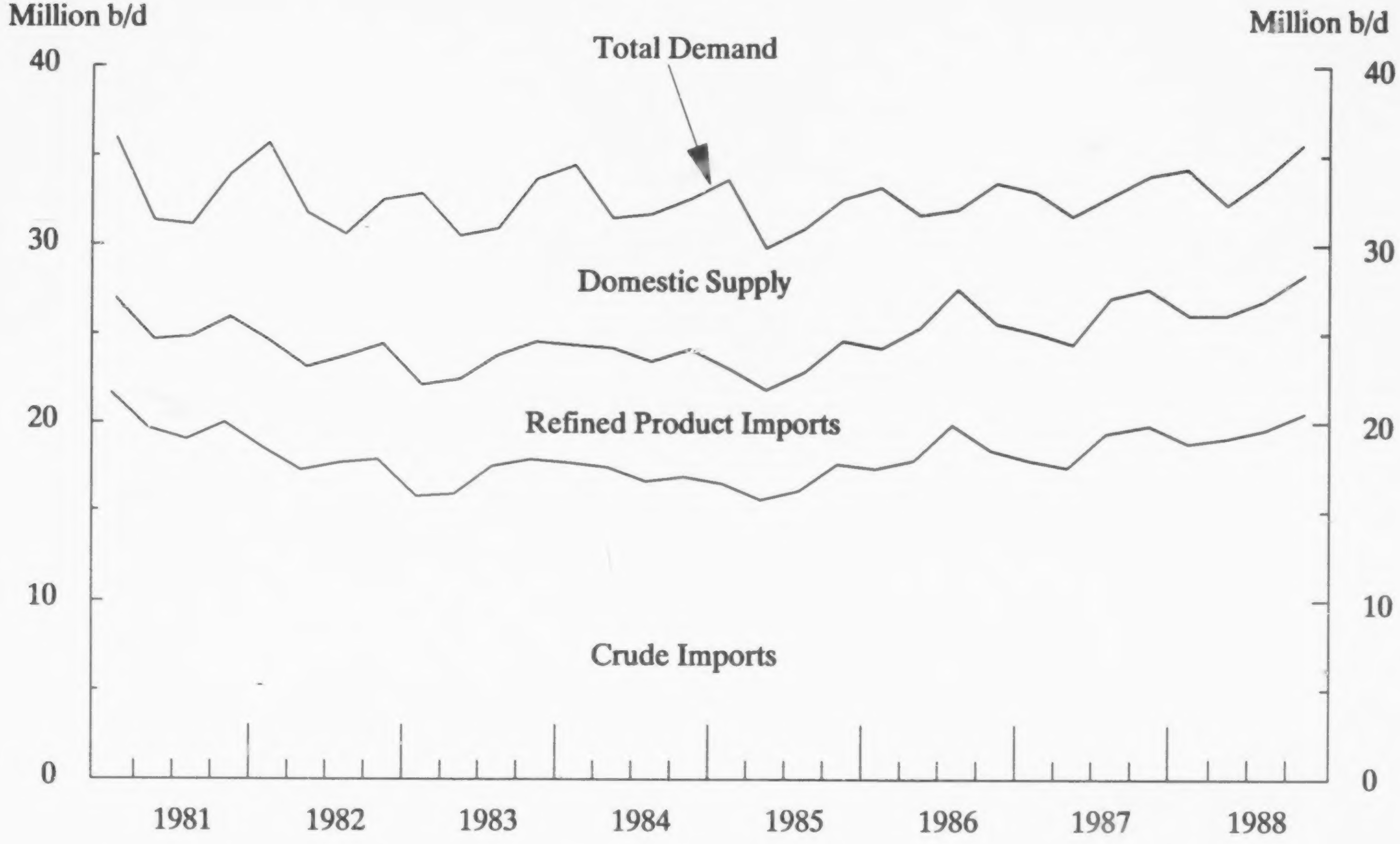
Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Non-Communist Consumption by Product
Thousands of barrels per day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Gasolines	7,489.0	7,077.0	6,896.4	6,815.4	6,908.0	7,046.9	7,070.0	7,276.0	7,528.4	7,727.5	7,734.4
Middle distillates	4,751.2	4,272.3	4,093.6	3,834.6	3,884.0	4,128.5	4,208.6	4,387.4	4,494.3	4,720.3	4,753.2
Fuel Oil	2,726.5	2,441.9	2,030.6	1,667.1	1,443.1	1,395.4	1,235.6	1,435.8	1,270.5	1,389.9	1,345.8
Others	3,025.7	2,708.1	2,539.2	2,454.7	2,550.2	2,673.2	2,647.5	2,667.7	2,831.1	2,831.1	2,825.6
United States	**17,992.4**	**16,499.3**	**15,559.7**	**14,771.8**	**14,785.2**	**15,243.9**	**15,161.8**	**15,766.9**	**16,124.3**	**16,668.8**	**16,659.0**
Gasolines	782.5	745.4	724.6	657.5	632.0	629.7	641.3	632.0	632.0	613.5	622.7
Middle distillates	556.9	565.1	513.8	474.7	443.9	452.1	456.2	443.9	450.0	476.8	493.2
Fuel Oil	275.4	260.7	205.6	179.9	141.4	124.8	102.8	113.8	124.8	135.9	167.1
Others	260.7	251.5	260.7	213.0	213.0	196.5	238.7	238.7	260.7	304.8	308.4
Canada	**1,875.5**	**1,822.8**	**1,704.7**	**1,525.1**	**1,430.2**	**1,403.1**	**1,439.0**	**1,428.4**	**1,467.6**	**1,530.9**	**1,591.5**
Gasolines	3,340.5	3,173.9	3,035.0	3,055.8	3,129.9	3,136.8	3,139.1	3,287.3	3,349.8	3,470.2	3,528.1
Middle distillates	5,184.8	4,788.2	4,535.4	4,350.4	4,379.2	4,547.7	4,601.1	4,825.1	4,864.2	4,929.9	4,839.5
Fuel Oil	4,103.5	3,734.4	3,291.9	2,908.2	2,482.3	2,359.3	2,164.6	2,175.7	2,058.2	1,977.4	1,949.8
Others	1,736.9	1,676.3	1,602.8	1,575.3	1,619.4	1,672.6	1,601.0	1,685.4	1,689.1	1,769.9	1,791.9
Western Europe	**14,365.6**	**13,372.7**	**12,465.1**	**11,889.7**	**11,610.7**	**11,716.4**	**11,505.9**	**11,973.5**	**11,961.3**	**12,147.4**	**12,109.4**
Gasolines	1,069.5	974.6	921.4	893.6	914.4	951.5	960.7	997.8	1,027.9	1,081.1	1,145.9
Middle distillates	1,263.8	1,230.9	1,245.3	1,191.9	1,224.8	1,319.3	1,307.0	1,368.6	1,428.2	1,578.2	1,633.7
Fuel Oil	2,271.1	1,900.3	1,674.4	1,446.8	1,402.7	1,384.3	1,145.7	1,086.9	1,044.7	1,134.6	1,154.8
Others	618.7	591.2	593.0	594.9	582.0	683.0	712.4	727.1	705.0	723.4	750.9
Japan	**5,223.2**	**4,697.0**	**4,434.2**	**4,127.1**	**4,123.9**	**4,338.1**	**4,125.7**	**4,180.4**	**4,205.8**	**4,517.4**	**4,685.4**
Gasolines	303.3	298.6	303.3	310.2	303.3	312.5	312.5	310.2	312.5	324.1	333.4
Middle distillates	217.8	209.6	201.4	207.6	197.3	209.6	213.7	224.0	236.3	248.7	261.0
Fuel Oil	130.4	110.2	102.8	80.8	69.8	69.8	53.2	47.7	45.9	45.9	47.7
Others	88.1	88.1	86.3	80.8	84.5	90.0	73.4	97.3	101.0	104.7	108.3
Australia & New Zealand	**739.6**	**706.5**	**693.8**	**679.3**	**654.8**	**681.9**	**652.9**	**679.2**	**695.7**	**723.3**	**750.4**
Gasolines	2,125.2	2,234.0	2,310.4	2,386.8	2,419.2	2,437.7	2,578.9	2,602.1	2,669.2	2,784.9	2,951.6
Middle distillates	3,588.0	3,748.3	3,941.5	4,204.5	4,405.9	4,488.1	4,640.2	4,706.0	4,946.4	5,219.7	5,474.5
Fuel Oil	3,299.3	3,400.3	3,389.3	3,198.3	3,079.0	3,090.0	3,018.4	3,091.8	3,126.7	3,273.6	3,473.7
Others	1,281.5	1,356.8	1,397.2	1,441.3	1,494.5	1,560.6	1,591.8	1,685.4	1,825.0	1,940.7	1,984.7
Other Non-Communist	**10,294.0**	**10,739.4**	**11,038.3**	**11,230.9**	**11,398.6**	**11,576.4**	**11,829.3**	**12,085.3**	**12,567.3**	**13,218.9**	**13,884.6**
Gasolines	15,110.0	14,503.5	14,191.0	14,119.2	14,306.7	14,515.1	14,702.6	15,105.4	15,519.8	16,001.3	16,316.1
Middle distillates	15,562.5	14,814.5	14,530.9	14,263.8	14,535.0	15,145.4	15,426.9	15,955.0	16,419.5	17,173.6	17,455.2
Fuel Oil	12,806.1	11,847.7	10,694.7	9,481.1	8,618.2	8,423.6	7,720.4	7,951.7	7,670.8	7,957.2	8,139.0
Others	7,011.7	6,672.0	6,479.2	6,359.9	6,543.5	6,875.8	6,864.8	7,101.6	7,411.9	7,674.5	7,770.0
Total Non-Communist	**50,490.3**	**47,837.7**	**45,895.8**	**44,223.9**	**44,003.4**	**44,959.8**	**44,714.6**	**46,113.8**	**47,022.0**	**48,806.6**	**49,680.2**

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Total OECD Imports & Total Demand



Note: 1988 is most current data available in Oil & Gas Journal Energy Database.

Source: IEA

Petroleum Consumption in OECD Countries
Thousands of barrels per day

	Canada	France	Italy	Japan	United Kingdom	United States	West Germany	Other OECD	Total OECD
1973	1,707	2,422	2,147	5,071	2,301	17,308	2,915	5,741	39,612
1974	1,740	2,260	2,090	4,960	2,138	16,653	2,612	5,664	38,117
1975	1,718	2,136	1,940	4,502	1,872	16,322	2,515	5,595	36,600
1976	1,751	2,280	1,991	4,771	1,856	17,461	2,708	6,046	38,864
1977	1,779	2,235	1,907	5,231	1,880	18,431	2,837	6,059	40,359
1978	1,823	2,169	1,948	5,142	1,850	18,847	3,048	6,065	40,892
1979	1,893	2,385	2,013	5,480	1,930	18,513	3,073	6,359	41,646
1980	1,873	2,256	1,934	4,960	1,725	[illegible],056	2,707	6,084	38,595
1981	1,768	2,023	1,874	4,848	1,590	16,058	2,449	5,659	36,269
1982	1,578	1,880	1,781	4,582	1,590	15,296	2,372	5,438	34,517
1983	1,448	1,835	1,750	4,395	1,531	15,231	2,324	5,279	33,793
1984	1,472	1,754	1,646	4,576	1,849	15,726	2,322	5,155	34,500
1985	1,504	1,775	1,717	4,384	1,634	15,726	2,338	5,193	34,271
1986	1,506	1,772	1,738	4,439	1,649	16,281	2,498	5,396	35,279
1987	1,548	1,789	1,855	4,484	1,603	16,665	2,424	5,543	35,911
1988	1,664	1,797	1,836	4,752	1,697	17,283	2,422	5,567	37,018
1989	1,729	1,856	1,940	4,986	1,736	17,325	2,278	5,613	37,463

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, International Energy Agency

Net Gasoline Consumption
Thousands of barrels per day

	Canada	France	Italy	Japan	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981									
1st Qtr	636.1	344.6	263.4	589.8	419.9	6,198.5	523.5	971.8	**9,947.6**
2nd Qtr.	696.3	406.0	290.8	584.4	444.7	6,680.4	549.8	1,050.3	**10,702.5**
3rd Qtr.	750.3	444.8	312.0	618.0	452.4	6,831.7	549.5	1,077.8	**11,036.4**
4th Qtr.	647.0	384.4	284.4	633.9	429.5	6,487.8	531.3	1,005.0	**10,403.5**
1982									
1st Qtr	576.8	374.8	265.5	594.7	416.7	6,273.5	517.8	967.1	**9,986.9**
2nd Qtr.	616.5	444.6	300.0	594.9	457.0	6,949.2	574.4	1,074.8	**11,011.4**
3rd Qtr.	669.2	469.9	307.8	615.5	467.3	6,766.8	564.6	1,105.6	**10,966.7**
4th Qtr.	600.2	409.9	274.0	626.6	454.1	6,632.9	559.6	1,039.2	**10,596.5**
1983									
1st Qtr	546.1	389.2	257.9	584.2	437.5	6,367.9	528.1	985.6	**10,096.6**
2nd Qtr.	604.1	431.0	282.6	595.1	460.4	6,763.8	571.2	1,043.0	**10,751.0**
3rd Qtr.	656.7	462.0	305.6	631.6	474.8	6,911.8	581.0	1,116.4	**11,139.8**
4th Qtr.	615.8	396.5	273.9	637.2	452.4	6,821.4	571.3	1,054.7	**10,823.2**
1984									
1st Qtr	540.5	397.0	256.1	600.9	442.8	6,329.2	532.1	988.5	**10,087.1**
2nd Qtr.	598.5	441.3	285.7	596.8	480.1	6,958.6	593.2	1,077.8	**11,032.0**
3rd Qtr.	634.3	461.3	296.3	639.5	483.4	6,850.0	585.0	1,124.1	**11,073.9**
4th Qtr.	590.3	404.9	271.5	634.5	475.2	6,727.5	588.0	1,059.3	**10,751.0**
1985									
1st Qtr	534.8	365.4	259.3	598.4	440.0	6,460.9	520.7	993.0	**10,172.4**
2nd Qtr.	608.5	434.5	285.4	604.5	480.8	6,970.6	589.4	1,079.4	**11,053.0**
3rd Qtr.	648.7	456.5	302.9	656.6	495.2	6,931.1	578.9	1,131.0	**11,201.0**
4th Qtr.	586.6	398.7	279.8	645.4	484.4	6,751.0	567.9	1,063.6	**10,777.4**
1986									
1st Qtr	505.5	379.8	255.4	608.6	460.5	6,491.7	531.6	1,009.8	**10,242.9**
2nd Qtr.	595.2	431.2	295.3	620.3	512.0	7,109.3	604.9	1,144.9	**11,313.0**
3rd Qtr.	636.8	466.2	305.5	671.8	517.4	7,158.1	612.7	1,204.2	**11,572.7**
4th Qtr.	578.9	420.1	278.0	661.2	512.2	7,018.5	603.1	1,118.6	**11,190.7**
1987									
1st Qtr	524.5	379.2	260.0	621.4	476.2	6,697.3	547.2	1,060.9	**10,566.6**
2nd Qtr.	596.2	439.7	310.1	641.3	528.3	7,410.4	625.2	1,164.9	**11,716.1**
3rd Qtr.	633.5	463.4	304.2	682.0	533.4	7,379.9	635.4	1,218.6	**11,850.5**
4th Qtr.	585.4	422.0	285.8	670.7	530.2	7,211.0	617.8	1,172.0	**11,494.9**
1988*									
1st Qtr	547.1	397.1	270.9	641.0	515.5	6,976.4	582.9	1,111.3	**11,042.1**
2nd Qtr.	592.8	437.3	294.9	656.9	542.7	7,520.9	634.1	1,186.0	**11,865.6**
3rd Qtr.	645.9	470.1	310.6	709.1	562.3	7,556.6	646.5	1,266.8	**12,167.8**
4th Qtr.	602.6	414.9	287.7	705.3	547.7	7,360.8	625.9	1,165.6	**11,710.5**

* 1988 is most current data available in Oil & Gas Journal Energy Database.

Note: Data are converted from IEA figures in thousands of tonnes. U.S. figures differ from those shown elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Net Gas Oil/Diesel Oil Consumption
Thousands of barrels per day

	Canada	France	Italy	Japan	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981									
1st Qtr.	587.7	1,010.8	636.4	835.4	415.1	3,234.3	1,162.4	1,734.7	**9,616.7**
2nd Qtr.	408.3	680.4	374.6	702.1	313.8	2,318.5	885.3	1,401.8	**7,085.0**
3rd Qtr.	379.7	430.1	398.0	673.4	291.3	2,411.3	1,034.8	1,302.2	**6,920.6**
4th Qtr.	490.3	844.4	565.6	782.4	407.0	2,863.8	1,068.5	1,655.5	**8,677.5**
1982									
1st Qtr.	584.2	890.7	610.1	805.5	437.8	3,050.0	1,122.6	1,754.4	**9,255.2**
2nd Qtr.	364.6	665.4	411.0	687.2	348.3	2,445.3	885.3	1,334.0	**7,141.3**
3rd Qtr.	349.1	503.6	406.1	659.0	304.4	2,072.3	976.0	1,321.0	**6,591.5**
4th Qtr.	430.7	729.4	551.2	757.8	380.1	2,459.6	948.1	1,546.3	**7,803.2**
1983									
1st Qtr.	453.5	863.5	567.1	800.6	414.2	2,699.8	1,071.5	1,548.4	**8,418.5**
2nd Qtr.	357.3	651.6	396.7	683.9	324.8	2,533.2	982.3	1,421.8	**7,351.5**
3rd Qtr.	333.9	473.1	435.4	684.9	310.8	2,382.3	875.5	1,343.5	**6,839.4**
4th Qtr.	455.3	794.8	621.4	805.3	379.3	2,894.2	1,020.8	1,652.1	**8,623.2**
1984									
1st Qtr.	494.3	925.2	631.6	893.0	414.8	3,124.9	1,029.9	1,620.5	**9,134.3**
2nd Qtr.	370.3	607.0	428.6	718.6	339.1	2,577.2	969.1	1,403.6	**7,413.4**
3rd Qtr.	326.7	500.7	441.8	714.2	326.9	2,487.9	1,055.6	1,352.5	**7,206.2**
4th Qtr.	431.8	716.2	585.3	816.7	406.4	4,478.9	944.7	1,567.9	**9,947.8**
1985									
1st Qtr.	477.0	952.6	702.7	874.5	459.7	3,124.3	1,022.8	1,699.6	**9,313.2**
2nd Qtr.	362.3	530.1	414.4	729.2	339.1	2,610.6	1,041.0	1,410.0	**7,436.6**
3rd Qtr.	339.0	535.5	476.2	723.9	337.4	2,434.3	1,238.9	1,451.3	**7,536.5**
4th Qtr.	440.2	742.8	652.4	891.3	383.9	2,835.9	1,062.6	1,658.6	**8,667.7**
1986									
1st Qtr.	448.0	915.1	619.1	906.6	437.6	3,135.1	1,288.8	1,723.3	**9,473.6**
2nd Qtr.	349.7	628.1	450.6	749.1	363.5	2,631.0	1,428.3	1,588.2	**8,188.5**
3rd Qtr.	328.2	616.8	432.4	756.0	348.7	2,431.0	1,060.5	1,618.9	**7,592.3**
4th Qtr.	426.9	742.0	632.5	906.2	386.1	2,875.2	885.5	1,687.0	**8,541.4**
1987									
1st Qtr.	419.8	875.2	755.4	951.5	421.9	3,123.8	1,155.5	1,777.2	**9,480.3**
2nd Qtr.	362.9	593.8	506.5	791.4	337.4	2,676.3	1,100.5	1,546.6	**7,915.5**
3rd Qtr.	341.7	602.5	512.9	806.5	333.6	2,541.4	1,214.8	1,532.5	**7,885.9**
4th Qtr.	429.3	790.4	658.0	977.6	379.9	2,996.4	1,033.5	1,798.4	**9,063.4**
1988*									
1st Qtr.	460.5	825.7	636.6	1,026.5	411.5	3,324.3	1,101.9	1,746.3	**9,533.1**
2nd Qtr.	377.8	611.5	467.3	884.1	364.2	2,743.7	1,025.8	1,593.7	**8,068.0**
3rd Qtr.	360.7	615.7	493.0	901.8	369.1	2,711.3	1,120.8	1,560.7	**8,133.1**
4th Qtr.	439.7	819.8	695.9	1,085.3	407.6	3,191.1	1,131.7	1,869.1	**9,640.2**

* 1988 is most current data available in Oil & Gas Journal Energy Database.

Note: Data are converted from IEA data in thousands of tonnes. U.S. figures differ from those reported elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Net* Consumption of Heavy Fuel Oil
Thousands of barrels per day

	Canada	France	Italy	Japan	United Kingdom	United States	West Germany	Other OECD	Total OECD
1981									
1st Qtr.	281.6	566.2	967.9	1,649.5	438.5	2,686.4	453.3	2,002.6	**9,045.9**
2nd Qtr.	257.3	347.6	722.4	1,265.1	625.1	2,002.8	345.7	1,313.1	**6,879.2**
3rd Qtr.	231.7	339.4	632.1	1,338.6	290.4	1,927.5	357.4	1,473.3	**6,590.3**
4th Qtr.	287.8	543.1	800.1	1,308.3	407.3	2,050.4	432.7	1,747.8	**7,577.5**
1982									
1st Qtr.	238.4	449.3	870.2	1,384.6	523.4	2,216.5	420.8	1,799.3	**7,902.5**
2nd Qtr.	207.7	350.3	667.7	1,073.3	387.5	1,749.2	340.0	1,510.4	**6,285.9**
3rd Qtr.	202.8	301.2	596.1	1,160.4	349.4	1,598.1	301.1	1,365.5	**5,874.5**
4th Qtr.	232.5	386.6	714.9	1,176.1	414.4	1,705.8	334.5	1,577.3	**6,542.0**
1983									
1st Qtr.	186.4	366.2	789.6	1,221.5	399.2	1,790.5	346.0	1,565.5	**6,664.7**
2nd Qtr.	149.5	280.7	620.0	983.9	302.9	1,441.9	265.7	1,277.1	**5,321.8**
3rd Qtr.	150.6	199.9	575.2	1,152.3	278.3	1,468.3	255.7	1,167.5	**5,247.7**
4th Qtr.	179.8	346.6	729.2	1,144.9	335.2	1,508.7	302.2	1,385.7	**5,932.3**
1984									
1st Qtr.	183.6	333.3	730.3	1,293.0	347.5	1,818.5	306.1	1,376.7	**6,388.9**
2nd Qtr.	145.6	223.4	491.2	1,011.3	581.9	1,430.6	256.0	1,120.2	**5,260.2**
3rd Qtr.	128.7	167.4	528.8	1,115.8	631.0	1,273.2	239.0	981.6	**5,065.5**
4th Qtr.	152.5	247.4	544.2	1,023.3	840.3	1,583.5	248.2	1,073.9	**5,713.3**
1985									
1st Qtr.	148.2	271.1	678.2	1,117.2	759.1	1,446.0	298.9	1,263.1	**5,981.6**
2nd Qtr.	109.3	182.2	432.2	833.7	238.7	1,198.0	234.3	952.6	**4,181.0**
3rd Qtr.	87.7	145.5	462.4	941.4	226.4	1,175.4	237.9	922.6	**4,199.3**
4th Qtr.	142.5	226.7	621.5	921.8	263.5	1,336.9	247.8	1,111.1	**4,871.7**
1986									
1st Qtr.	123.3	233.0	647.9	932.8	305.0	1,503.8	283.5	1,186.1	**5,215.4**
2nd Qtr.	126.4	167.3	436.8	730.3	296.1	1,453.6	300.0	1,021.5	**4,532.0**
3rd Qtr.	103.4	143.5	499.1	810.8	284.7	1,507.1	279.4	1,038.6	**4,666.5**
4th Qtr.	143.3	167.7	653.0	990.0	298.5	1,489.5	285.7	1,138.8	**5,166.6**
1987									
1st Qtr.	140.7	253.9	683.8	907.6	273.0	1,503.6	285.3	1,256.0	**5,303.8**
2nd Qtr.	123.0	147.0	547.9	740.7	199.4	1,218.1	223.4	943.7	**4,143.0**
3rd Qtr.	115.7	126.9	627.6	833.7	232.6	1,346.8	204.2	956.3	**4,443.7**
4th Qtr.	142.3	199.4	589.3	833.2	280.2	1,303.0	224.9	1,092.2	**4,664.4**
1988+									
1st Qtr.	156.5	200.8	578.8	916.3	278.3	1,572.5	219.9	1,050.2	**4,973.3**
2nd Qtr.	134.7	136.1	558.8	753.0	248.5	1,163.6	195.5	955.4	**4,145.6**
3rd Qtr.	123.0	119.7	557.0	850.9	215.8	1,251.2	186.9	983.6	**4,288.2**
4th Qtr.	199.4	224.4	608.5	886.5	320.1	1,530.1	225.8	1,148.8	**5,143.6**

* Net consumption excludes refinery fuel and marine bunkers.

+ 1988 is most current data available in Oil & Gas Journal Energy Database.

Note: Data are converted from IEA figures in thousands of tonnes. U.S. figures differ from those elsewhere in this publication due to data conversion, difference in source and timing of data reporting.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Market Economies Petroleum Supply and Demand
Millions of barrels per day

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1987 Avg.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1988 Avg.
Supply										
Production										
United States	10.8	10.6	10.5	10.7	10.7	10.7	10.5	10.3	10.4	10.5
OPEC	17.9	18.5	21.0	20.6	19.5	20.1	20.9	22.2	24.8	22.0
Other Non-OPEC	16.3	16.0	16.4	16.6	16.3	16.9	16.5	16.4	16.5	16.6
Total Market Economies	45.0	45.1	47.9	47.9	46.5	47.7	47.9	48.9	51.7	49.1
Communist Net Exports	1.9	2.3	2.6	2.5	2.3	1.8	2.3	2.5	2.4	2.3
Total Supply	**46.9**	**47.4**	**50.5**	**50.4**	**48.8**	**49.5**	**50.2**	**51.4**	**54.1**	**51.3**
Consumption										
United States	16.6	16.5	16.7	16.9	16.7	17.6	16.6	17.1	17.9	17.3
U.S. Territories	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Japan	4.9	3.9	4.2	4.8	4.5	5.3	4.2	4.3	5.2	4.8
OECD Europe	12.7	11.4	12.0	12.5	12.2	12.4	11.8	12.1	13.3	12.4
Other	15.4	15.4	15.5	15.9	15.6	16.0	16.1	16.2	16.6	16.2
Total Market Economies	**49.8**	**47.4**	**48.6**	**50.3**	**49.0**	**51.5**	**48.9**	**49.9**	**53.2**	**50.9**
Net Stock Additions										
U.S. Commercial	-0.5	-0.2	0.6	-0.1	0.0	-0.6	0.5	0.1	-0.4	(0.1)
U.S. Strategic	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Other	-1.3	0.2	1.2	0.3	0.1	-0.6	0.9	0.8	0.4	0.4
Total Stock Additions	**-1.7**	**0.1**	**1.9**	**0.3**	**0.2**	**-1.2**	**1.5**	**1.0**	**0.1**	**0.4**
Balancing Item	-1.3	-0.1	0.0	-0.3	(0.4)	-0.9	-0.2	0.5	0.9	0.1
Closing Stocks (Mil. barrels)	**4,894**	**4,906**	**5,082**	**5,107**	**5,107**	**4,991**	**5,130**	**5,226**	**5,231**	**5,231**

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1989 Avg.
Supply					
Production					
United States	10.1	10.0	9.8	9.6	9.9
OPEC	22.2	23.3	24.1	25.3	23.7
Other Non-OPEC	16.6	16.3	16.8	17.1	16.7
Total Market Economies	48.9	49.6	50.7	52.0	50.3
Communist Net Exports	1.8	1.9	2.2	2.0	2.0
Total Supply	**50.7**	**51.5**	**52.9**	**54.0**	**52.3**
Consumption					
United States	17.6	16.8	16.8	17.8	17.3
U.S. Territories	0.2	0.2	0.2	0.2	0.2
Japan	5.5	4.5	4.6	5.4	5.0
OECD Europe	12.6	12.0	12.2	13.3	12.5
Other	16.9	17.0	17.1	17.5	17.1
Total Market Economies	**52.8**	**50.5**	**50.9**	**54.2**	**52.1**
Net Stock Additions					
U.S. Commercial	-0.4	0.4	0.6	-1.0	0.0
U.S. Strategic	0.1	0.1	0.1	0.0	0.1
Other	-0.4	0.3	1.1	0.1	0.3
Total Stock Additions	**-0.7**	**0.8**	**1.8**	**-0.9**	**0.3**
Balancing Item	-1.3	0.2	0.3	0.7	(0.0)
Closing Stocks (Mil. barrels)	**5,164**	**5,235**	**5,396**	**5,315**	**5,315**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Petroleum Consumption* in the Market Economies
Millions of barrels per day

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1987 Avg.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1988 Avg.
United States	16.6	16.5	16.7	16.9	16.7	17.6	16.6	17.1	17.9	17.3
U.S. Territories	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Canada	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.7	1.8	1.7
Japan	4.9	3.9	4.2	4.8	4.5	5.3	4.2	4.3	5.2	4.8
OECD Europe										
France	2.0	1.6	1.7	1.9	1.8	1.9	1.7	1.7	2.0	1.8
Italy	2.0	1.6	1.8	1.8	1.8	1.9	1.7	1.8	2.0	1.9
United Kingdom	1.6	1.5	1.6	1.7	1.6	1.7	1.7	1.7	1.8	1.7
West Germany	2.4	2.4	2.5	2.3	2.4	2.3	2.4	2.5	2.5	2.4
Other OECD Europe	4.7	4.3	4.5	4.7	4.6	4.6	4.4	4.5	5.0	4.6
Total OECD Europe	12.7	11.4	12.1	12.4	12.2	12.4	11.9	12.2	13.3	12.5
Australia & New Zealand	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7
Total OECD	**36.6**	**34.2**	**35.5**	**36.6**	**35.7**	**37.8**	**35.2**	**36.2**	**39.2**	**37.1**
OPEC	3.6	3.6	3.7	3.8	3.7	3.9	3.9	3.9	3.9	3.9
Other Market Economies	9.7	9.6	9.5	9.7	9.6	9.8	9.9	9.9	10.2	10.0
Total Market Economies	**49.9**	**47.4**	**48.7**	**50.1**	**49.0**	**51.5**	**49.0**	**50.0**	**53.3**	**51.0**

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1989 Avg.
United States	17.6	16.8	16.8	17.8	17.3
U.S. Territories	0.2	0.2	0.2	0.2	0.2
Canada	1.7	1.7	1.7	1.8	1.7
Japan	5.5	4.5	4.6	5.4	5.0
OECD Europe					
France	2.0	1.7	1.7	2.0	1.9
Italy	2.0	1.8	1.8	2.1	1.9
United Kingdom	1.7	1.7	1.7	1.8	1.7
West Germany	2.1	2.2	2.4	2.4	2.3
Other OECD Europe	4.8	4.6	4.6	4.9	4.7
Total OECD Europe	12.6	12.0	12.2	13.2	12.5
Australia & New Zealand	0.8	0.8	0.8	0.8	0.8
Total OECD	**38.4**	**36.0**	**36.3**	**39.2**	**37.5**
OPEC	4.1	4.1	4.1	4.1	4.1
Other Market Economies	10.4	10.5	10.5	10.8	10.6
Total Market Economies	**52.9**	**50.6**	**50.9**	**54.1**	**52.1**

* Includes bunkers and refinery fuel.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Petroleum Supply in the Market Economies
Millions of barrels per day

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1987 Avg.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1988 Avg.
United States	10.8	10.6	10.5	10.7	10.7	10.7	10.5	10.3	10.4	10.5
Canada	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0
Mexico	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
North Sea	4.0	3.7	3.8	3.9	3.9	4.1	3.7	3.6	3.6	3.8
Other Non-OPEC	7.4	7.5	7.6	7.8	7.6	7.9	7.8	7.9	7.9	7.9
OPEC										
Algeria	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
Ecuador	0.2	0.0	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3
Gabon	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Indonesia	1.3	1.3	1.4	1.3	1.3	1.3	1.4	1.3	1.3	1.3
Iran	2.5	2.5	2.4	2.3	2.4	2.1	2.2	2.5	2.5	2.3
Neutral Zone	0.4	0.3	0.5	0.3	0.4	0.2	0.4	0.3	0.3	0.3
Iraq	1.7	1.9	2.1	2.6	2.1	2.6	2.6	2.7	2.7	2.7
Kuwait	1.0	1.0	1.5	1.2	1.2	1.2	1.1	1.6	1.6	1.4
Libya	0.9	0.9	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1
Nigeria	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
Qatar	0.2	0.3	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.4
Saudi Arabia	3.4	3.9	4.3	4.2	4.0	4.3	4.5	6.6	6.6	5.5
UAE	1.2	1.3	1.8	1.8	1.5	1.2	1.4	2.1	2.1	1.7
Venezuela	1.7	1.7	1.8	1.7	1.7	1.9	1.9	2.0	2.0	2.0
Natural Gas Plant Liquids	0.9	0.9	0.9	0.8	0.9	1.0	1.0	1.1	1.1	1.1
Processing Gain	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total OPEC	**18.0**	**18.6**	**21.1**	**20.5**	**19.6**	**20.2**	**20.8**	**24.9**	**24.9**	**22.7**
Communist Net Exports	1.9	2.3	2.6	2.5	2.3	1.8	2.3	2.5	2.4	2.3
Total Supply	**46.9**	**47.5**	**50.5**	**50.3**	**48.8**	**49.6**	**50.0**	**54.1**	**54.2**	**52.0**

	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1989 Avg.
United States	10.1	10.0	9.8	9.6	9.9
Canada	2.0	2.0	2.0	2.0	2.0
Mexico	2.9	2.9	2.9	2.9	2.9
North Sea	3.6	3.4	3.7	3.9	3.7
Other Non-OPEC	8.1	7.9	8.2	8.3	8.1
OPEC					
Algeria	1.1	1.1	1.1	1.1	1.1
Ecuador	0.3	0.3	0.3	0.3	0.3
Gabon	0.2	0.2	0.2	0.3	0.2
Indonesia	1.4	1.4	1.4	1.4	1.4
Iran	3.0	2.7	2.9	2.9	2.9
Neutral Zone	0.4	0.4	0.4	0.4	0.4
Iraq	2.7	2.7	2.9	3.0	2.8
Kuwait	1.1	1.7	1.7	1.8	1.6
Libya	1.1	1.1	1.1	1.1	1.1
Nigeria	1.5	1.7	1.8	1.8	1.7
Qatar	0.4	0.4	0.4	0.4	0.4
Saudi Arabia	4.6	4.8	4.9	5.5	5.0
UAE	1.7	1.8	2.0	2.3	2.0
Venezuela	1.8	1.9	1.9	2.0	1.9
Natural Gas Plant Liquids	1.0	1.0	1.0	1.0	1.0
Processing Gain	0.1	0.1	0.1	0.1	0.1
Total OPEC	**22.4**	**23.3**	**24.1**	**25.4**	**23.8**
Communist Net Exports	1.8	1.9	2.2	2.0	2.0
Total Supply	**50.9**	**51.4**	**52.9**	**54.1**	**52.3**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Natural Gas

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Total U.S. Natural Gas Production and Field Usage
Trillion cubic feet

	------Gross Production-------			Gas Used in Reservoir Repressuring	Gas Vented or Flared	Marketed Production
	From Gas Wells	From Oil Wells	From All Wells			
1935	1.49	1.00	2.50	NA	0.48	1.96
1936	1.48	1.16	2.64	NA	0.39	2.23
1937	1.61	1.42	3.03	NA	0.43	2.47
1938	1.57	1.49	3.06	0.10	0.65	2.37
1939	1.83	1.50	3.33	0.17	0.68	2.64
1940	2.10	1.60	3.69	0.36	0.66	2.73
1941	2.49	1.61	4.10	0.64	0.63	2.89
1942	2.89	1.57	4.45	0.75	0.63	3.15
1943	3.23	1.93	5.16	0.82	0.90	3.52
1944	3.65	1.96	5.61	0.88	1.01	3.82
1945	3.89	2.01	5.90	1.06	0.90	4.04
1946	3.81	2.38	6.19	1.04	1.10	4.15
1947	3.77	2.96	6.73	1.08	1.04	4.58
1948	4.59	2.59	7.18	1.22	0.81	5.15
1949	4.99	2.56	7.55	1.27	0.85	5.42
1950	5.60	2.88	8.48	1.40	0.80	6.28
1951	6.48	3.21	9.69	1.44	0.79	7.46
1952	6.84	3.43	10.27	1.41	0.85	8.01
1953	7.10	3.55	10.65	1.44	0.81	8.40
1954	7.47	3.52	10.98	1.52	0.72	8.74
1955	7.84	3.88	11.72	1.54	0.77	9.41
1956	8.31	4.07	12.37	1.43	0.86	10.08
1957	8.72	4.19	12.91	1.42	0.81	10.68
1958	9.15	3.99	13.15	1.48	0.63	11.03
1959	10.10	4.13	14.23	1.61	0.57	12.05
1960	10.85	4.23	15.09	1.75	0.56	12.77
1961	11.20	4.27	15.46	1.68	0.52	13.25
1962	11.70	4.34	16.04	1.74	0.43	13.88
1963	12.61	4.37	16.97	1.84	0.38	14.75
1964	13.11	4.43	17.54	1.65	0.34	15.55
1965	13.52	4.44	17.96	1.60	0.32	16.04
1966	13.89	5.14	19.03	1.45	0.38	17.21
1967	15.35	4.91	20.25	1.59	0.49	18.17
1968	16.54	4.79	21.32	1.49	0.52	19.32
1969	17.49	5.19	22.68	1.46	0.53	20.70

Total U.S. Natural Gas Production and Field Usage
Trillion cubic feet

	------Gross Production-------			Gas Used in Reservoir Repressuring	Gas Vented or Flared	Marketed Production
	From Gas Wells	From Oil Wells	From All Wells			
1970	18.59	5.19	23.79	1.38	0.49	21.92
1971	18.93	5.16	24.09	1.31	0.28	22.49
1972	19.04	4.97	24.02	1.24	0.25	22.53
1973	19.37	4.70	24.07	1.17	0.25	22.65
1974	18.67	4.18	22.85	1.08	0.17	21.60
1975	17.38	3.72	21.10	0.86	0.13	20.11
1976	17.19	3.75	20.94	0.86	0.13	19.95
1977	17.42	3.68	21.10	0.93	0.14	20.03
1978	17.39	3.91	21.31	1.18	0.15	19.97
1979	18.03	3.85	21.88	1.25	0.17	20.47
1980	17.57	4.30	21.87	1.37	0.13	20.18
1981	17.34	4.25	21.59	1.31	0.10	19.96
1982	15.80	4.41	20.21	1.39	0.09	18.52
1983	14.15	4.45	18.60	1.46	0.09	16.82
1984	15.51	4.69	20.19	1.63	0.11	18.23
1985	14.53	5.01	19.53	1.92	0.10	17.20
1986	14.15	4.92	19.06	1.84	0.10	16.79
1987	14.80	5.28	20.06	2.21	0.12	17.35
1988	NA	NA	20.88	2.47	0.14	17.81
1989	NA	NA	20.93	2.42	0.13	17.94

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Marketed Production of Natural Gas
Total U.S.

Year	Mmcf	Mmcfd	Year	Mmcf	Mmcfd
1930	1,978,911	5,421.7	1960	12,771,040	34,893.6
1931	1,721,902	4,717.5	1961	13,254,030	36,312.4
1932	1,593,798	4,354.6	1962	13,876,620	38,018.1
1933	1,596,673	4,374.4	1963	14,746,660	40,401.8
1934	1,815,796	4,974.8	1964	15,546,590	42,477.0
1935	1,958,963	5,367.0	1965	16,039,750	43,944.5
1936	2,225,477	6,080.5	1966	17,206,630	47,141.5
1937	2,473,483	6,776.7	1967	18,171,320	49,784.4
1938	2,368,201	6,488.2	1968	19,322,400	52,793.4
1939	2,638,383	7,228.4	1969	20,698,240	56,707.5
1940	2,733,819	7,469.5	1970	21,920,640	60,056.5
1941	2,893,525	7,927.5	1971	22,493,010	61,624.7
1942	3,145,694	8,618.3	1972	22,531,700	61,562.0
1943	3,515,531	9,631.6	1973	22,647,550	62,048.1
1944	3,815,024	10,423.6	1974	21,600,520	59,179.5
1945	4,042,002	11,074.0	1975	20,108,660	55,092.2
1946	4,152,762	11,377.4	1976	19,952,440	54,514.9
1947	4,582,173	12,553.9	1977	20,025,460	54,864.3
1948	5,148,020	14,065.6	1978	19,974,030	54,723.4
1949	5,419,736	14,848.6	1979	20,471,260	56,085.6
1950	6,282,060	17,211.1	1980	20,379,720	55,682.3
1951	7,457,359	20,431.1	1981	20,177,000	55,279.5
1952	8,013,457	21,894.7	1982	18,519,670	50,738.8
1953	8,396,916	23,005.2	1983	16,822,140	46,088.1
1954	8,742,546	23,952.2	1984	18,229,638	49,807.8
1955	9,405,351	25,768.1	1985	17,197,999	47,117.8
1956	10,081,920	27,546.2	1986	16,790,910	46,002.5
1957	10,680,260	29,261.0	1987	17,348,537	47,530.2
1958	11,030,250	30,219.9	1988	17,808,313	48,656.6
1959	12,046,120	33,003.1	1989	17,943,142	49,159.3

Data from Oil & Gas Energy Database.
Source: Bureau of Mines, Energy Information Administration

Marketed Production of Natural Gas
Total U.S.
Millions of cubic feet per day

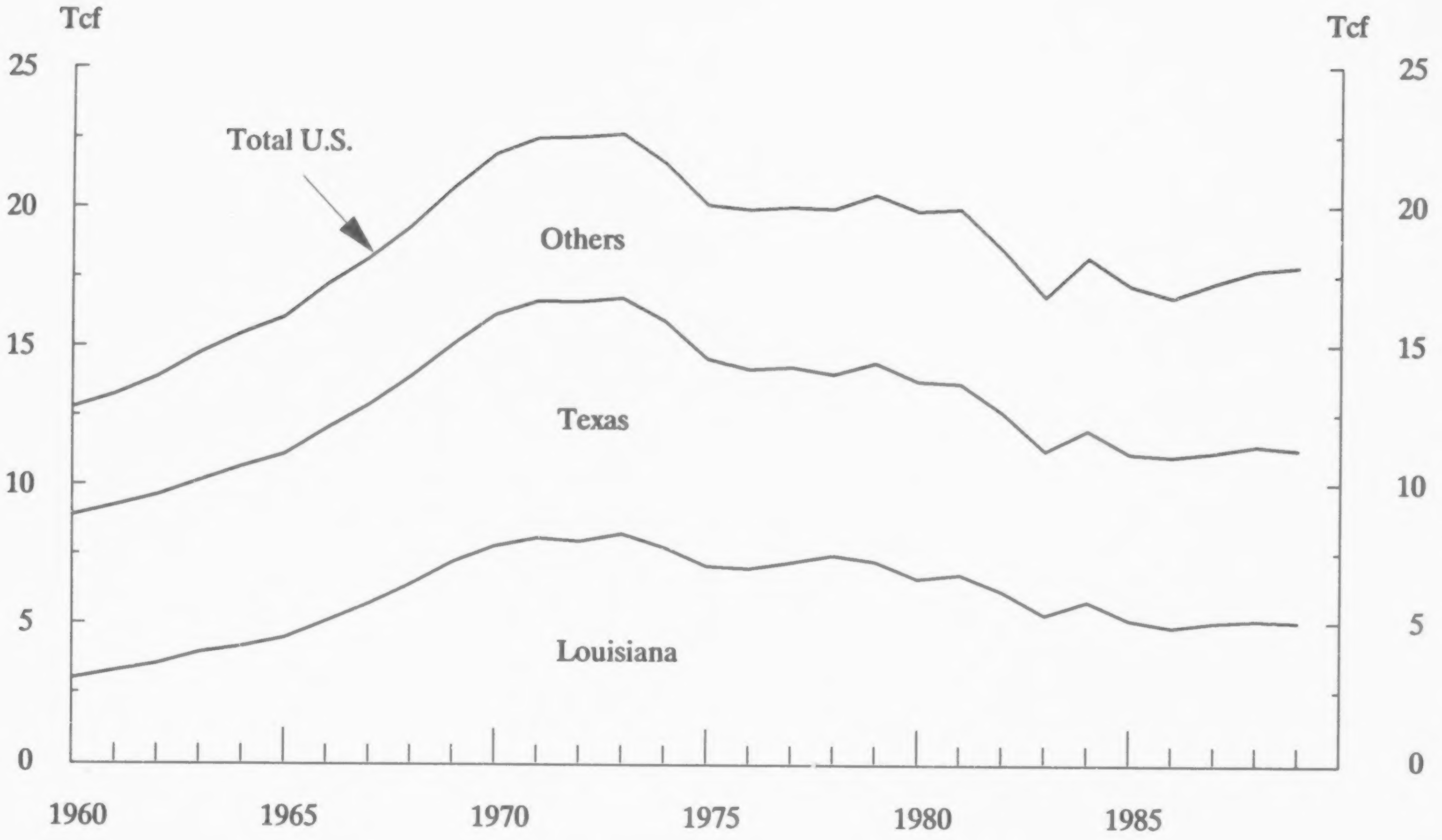
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	64,322.6	65,035.7	62,967.7	62,133.3	61,225.8	61,300.0	60,645.2	61,161.3	61,333.3	60,483.9	62,100.0	62,129.0	**62,069.8**
1974	62,193.5	62,821.4	60,838.7	59,766.7	59,548.4	58,000.0	58,645.2	57,741.9	58,500.0	57,000.0	57,633.3	57,741.9	**59,202.6**
1975	57,354.8	58,571.4	56,129.0	55,900.0	54,483.9	54,466.7	54,096.8	54,096.8	53,433.3	53,096.8	53,933.3	55,806.5	**55,114.1**
1976	56,483.9	56,793.1	55,290.3	54,100.0	53,967.7	54,666.7	54,064.5	52,774.2	52,166.7	52,871.0	54,500.0	56,548.4	**54,518.9**
1977	56,129.0	59,785.7	56,483.9	54,800.0	54,580.6	54,933.3	54,000.0	53,064.5	53,266.7	52,516.1	53,533.3	55,645.2	**54,894.9**
1978	56,225.8	58,892.9	56,387.1	55,600.0	53,677.4	54,100.0	54,612.9	53,483.9	52,533.3	52,741.9	53,566.7	55,161.3	**54,748.6**
1979	57,129.0	59,142.9	56,612.9	56,400.0	55,354.8	54,766.7	53,612.9	54,483.9	54,500.0	55,000.0	57,466.7	58,806.5	**56,106.3**
1980	59,290.3	59,482.8	59,580.6	56,200.0	55,225.8	53,400.0	52,677.4	51,354.8	53,200.0	53,645.2	55,633.3	58,580.6	**55,689.2**
1981	57,161.3	56,821.4	56,548.4	56,400.0	55,354.8	55,100.0	54,290.3	55,612.9	53,166.7	53,548.4	53,333.3	56,064.5	**55,283.5**
1982	55,741.9	56,571.4	54,032.3	52,700.0	50,064.5	50,166.7	49,225.8	48,129.0	47,700.0	47,096.8	49,200.0	48,709.7	**50,778.2**
1983	49,548.4	48,321.4	45,193.5	44,100.0	42,838.7	42,266.7	43,483.9	45,161.3	45,466.7	46,451.6	48,566.7	51,774.2	**46,097.8**
1984	55,590.8	51,619.4	49,682.3	50,218.9	48,483.6	48,525.9	48,686.5	47,975.2	47,242.4	48,076.2	49,550.2	52,039.3	**49,807.6**
1985	52,759.9	53,054.2	47,860.6	46,575.7	44,621.2	44,517.0	44,139.0	44,043.6	44,614.9	44,965.7	46,605.6	52,032.1	**47,149.1**
1986	52,076.6	50,031.1	47,963.0	44,531.0	43,916.1	43,403.0	43,350.7	43,447.5	42,654.4	43,660.0	47,655.4	49,544.8	**46,019.5**
1987	51,760.9	51,515.8	49,122.3	47,361.5	45,302.3	44,827.9	44,025.9	44,804.3	44,163.1	46,428.5	49,434.4	51,861.9	**47,550.7**
1988	53,347.9	51,923.0	50,660.1	47,923.1	47,490.2	46,625.7	45,725.5	46,365.0	45,195.6	47,521.4	50,068.1	51,089.2	**48,661.2**
1989	51,289.9	52,511.9	50,241.4	49,503.5	48,504.6	47,971.1	47,203.9	46,746.6	46,184.5	47,129.8	50,249.4	52,611.4	**49,179.0**

Marketed Production of Natural Gas
Total U.S.
Millions of cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	1,994,000	1,821,000	1,952,000	1,864,000	1,898,000	1,839,000	1,880,000	1,896,000	1,840,000	1,875,000	1,863,000	1,926,000	**22,648,000**
1974	1,928,000	1,759,000	1,886,000	1,793,000	1,846,000	1,740,000	1,818,000	1,790,000	1,755,000	1,767,000	1,729,000	1,790,000	**21,601,000**
1975	1,778,000	1,640,000	1,740,000	1,677,000	1,689,000	1,634,000	1,677,000	1,677,000	1,603,000	1,646,000	1,618,000	1,730,000	**20,109,000**
1976	1,751,000	1,647,000	1,714,000	1,623,000	1,673,000	1,640,000	1,676,000	1,636,000	1,565,000	1,639,000	1,635,000	1,753,000	**19,952,000**
1977	1,740,000	1,674,000	1,751,000	1,644,000	1,692,000	1,648,000	1,674,000	1,645,000	1,598,000	1,628,000	1,606,000	1,725,000	**20,025,000**
1978	1,743,000	1,649,000	1,748,000	1,668,000	1,664,000	1,623,000	1,693,000	1,658,000	1,576,000	1,635,000	1,607,000	1,710,000	**19,974,000**
1979	1,771,000	1,656,000	1,755,000	1,692,000	1,716,000	1,643,000	1,662,000	1,689,000	1,635,000	1,705,000	1,724,000	1,823,000	**20,471,000**
1980	1,838,000	1,725,000	1,847,000	1,686,000	1,712,000	1,602,000	1,633,000	1,592,000	1,596,000	1,663,000	1,669,000	1,816,000	**20,379,000**
1981	1,772,000	1,591,000	1,753,000	1,692,000	1,716,000	1,653,000	1,683,000	1,724,000	1,595,000	1,660,000	1,600,000	1,738,000	**20,177,000**
1982	1,728,000	1,584,000	1,675,000	1,581,000	1,552,000	1,505,000	1,526,000	1,492,000	1,431,000	1,460,000	1,476,000	1,510,000	**18,520,000**
1983	1,536,000	1,353,000	1,401,000	1,323,000	1,328,000	1,268,000	1,348,000	1,400,000	1,364,000	1,440,000	1,457,000	1,605,000	**16,823,000**
1984	1,723,316	1,496,962	1,540,151	1,506,568	1,502,993	1,455,778	1,509,282	1,487,231	1,417,272	1,490,363	1,486,505	1,613,217	**18,229,638**
1985	1,635,558	1,485,517	1,483,680	1,397,270	1,383,257	1,335,509	1,368,309	1,365,351	1,338,448	1,393,938	1,398,167	1,612,995	**17,197,999**
1986	1,614,376	1,400,872	1,486,854	1,335,930	1,361,399	1,302,090	1,343,873	1,346,871	1,279,631	1,353,461	1,429,661	1,535,888	**16,790,906**
1987	1,604,589	1,442,443	1,522,792	1,420,844	1,404,372	1,344,837	1,364,802	1,388,932	1,324,893	1,439,282	1,483,031	1,607,719	**17,348,536**
1988	1,653,785	1,505,768	1,570,462	1,437,693	1,472,196	1,398,771	1,417,492	1,437,315	1,355,867	1,473,163	1,502,042	1,583,764	**17,808,318**
1989	1,589,986	1,470,332	1,557,483	1,485,106	1,503,643	1,439,133	1,463,321	1,449,144	1,385,535	1,461,025	1,507,481	1,630,953	**17,943,142**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Natural Gas Production



Source: BOM, EIA

Marketed Natural Gas Production by State
Million cubic feet

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Alabama	57	56	128	177	165	203	252	248	230	180
Alaska	246	631	2,184	4,498	6,238	7,255	11,267	14,438	17,343	50,864
Arizona	NA	NA	230	1,334	2,014	3,106	3,161	1,255	881	1,136
Arkansas	55,451	59,547	66,213	76,101	75,753	82,831	105,174	116,522	156,627	169,257
California	517,535	556,241	564,220	646,486	660,444	660,384	689,607	681,080	714,893	677,689
Colorado	107,404	108,142	101,826	105,705	113,691	126,381	136,667	116,857	121,424	118,754
Florida	30	29	29	35	40	107	212	123	108	50
Illinois	11,666	9,970	10,650	9,459	7,824	7,396	7,230	5,144	4,380	3,800
Indiana	342	382	284	286	199	239	215	198	234	171
Kansas	634,410	649,083	694,352	732,946	764,073	793,379	847,495	871,971	835,555	883,156
Kentucky	75,329	70,937	70,241	74,634	76,940	78,976	76,536	89,168	89,024	81,304
Louisiana	2,988,414	3,271,857	3,525,456	3,928,427	4,152,731	4,466,786	5,081,435	5,716,857	6,416,015	7,227,826
Maryland	4,065	3,578	2,472	1,633	1,373	408	696	621	864	978
Michigan	20,790	27,697	28,987	32,850	31,388	34,558	34,120	33,589	40,480	36,163
Mississippi	172,478	172,543	170,271	176,807	180,428	166,825	156,652	139,497	135,051	131,234
Missouri	75	90	92	100	107	84	NA	121	14	126
Montana	33,418	33,901	29,955	30,026	25,051	28,105	30,685	25,866	19,313	41,229
Nebraska	15,258	15,743	14,880	13,051	11,094	10,720	10,196	8,453	8,129	6,989
New Mexico	798,928	789,662	804,612	808,377	873,947	937,205	998,076	1,067,510	1,164,182	1,138,133
New York	4,990	5,742	4,262	3,962	3,108	3,340	2,699	3,837	4,632	4,861
North Dakota	19,483	20,100	25,155	32,798	34,512	35,652	46,585	40,462	41,023	33,587
Ohio	36,074	36,423	36,747	36,817	37,106	35,684	43,133	41,315	42,673	49,793
Oklahoma	824,266	892,697	1,060,717	1,233,883	1,316,201	1,320,995	1,351,225	1,412,952	1,390,884	1,523,715
Oregon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pennsylvania	113,928	100,427	90,053	92,657	81,720	84,461	90,914	89,966	87,987	79,134
South Dakota	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee	63	71	75	90	77	85	NA	58	48	57
Texas	5,892,704	5,963,605	6,080,210	6,205,034	6,490,202	6,636,555	6,953,790	7,188,900	7,495,414	7,853.199
Utah	51,040	57,175	74,128	77,122	79,739	71,616	69,366	48,965	46,151	46,733
Virginia	2,227	2,466	2,499	2,085	1,600	3,152	4,249	3,818	3,389	2,846
West Virginia	208,757	210,556	210,698	210,223	202,765	207,416	211,610	211,460	236,971	231,759
Wyoming	181,610	194,674	204,996	209,060	231,613	235,849	243,381	240,074	248,481	303,517
Total U.S.	**12,771,038**	**13,254,025**	**13,876,622**	**14,746,663**	**15,462,143**	**16,039,753**	**17,206,628**	**18,171,325**	**19,322,400**	**20,698,240**

Marketed Natural Gas Production by State
Million cubic feet

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	627	355	3,644	11,271	27,865	37,814	41,427	57,227	85,599	85,815
Alaska	111,576	121,618	125,596	131,007	128,935	160,270	166,072	187,889	203,088	220,754
Arizona	1,101	868	442	125	224	208	262	240	286	247
Arkansas	181,351	172,154	166,522	157,529	123,975	116,237	109,533	104,096	106,792	109,452
California	649,117	612,629	487,278	449,369	365,354	318,308	354,334	311,462	311,084	248,206
Colorado	105,804	108,537	116,949	137,725	144,629	171,629	183,972	188,792	183,693	191,239
Florida	0	903	15,521	33,857	38,137	44,383	43,165	48,171	51,595	50,190
Illinois	4,850	498	1,194	1,638	1,436	1,440	1,556	1,003	1,159	1,585
Indiana	153	537	355	276	176	346	192	183	163	350
Kansas	899,955	885,144	889,268	893,118	886,782	843,625	829,170	781,289	854,484	797,762
Kentucky	77,892	72,723	63,648	62,396	71,876	60,511	66,137	60,902	70,044	59,520
Louisiana	7,788,276	8,081,907	7,972,678	8,242,423	7,753,631	7,090,645	7,006,596	7,215,006	7,476,497	7,266,217
Maryland	813	214	244	298	133	93	75	82	88	28
Michigan	38,851	25,662	34,221	44,579	69,133	102,113	119,262	129,954	148,047	159,731
Mississippi	126,031	118,805	103.989	99,706	78,787	74,345	70,762	82,995	106,579	144,077
Missouri	87	22	9	33	33	30	29	20	0	0
Montana	42,705	32,720	33,474	56,175	54,873	40,734	42,563	46,819	46,522	53,888
Nebraska	5,991	3,496	3,478	3,836	2,538	2,565	2,511	2,789	2,882	3,208
New Mexico	1,138,980	1,167,577	1,216,061	1,218,749	1,244,779	1,217,430	1,230,976	1,202,973	1,174,198	1,181,363
New York	3,358	2,202	3,679	4,539	4,990	7,628	9,235	10,682	13,900	15,500
North Dakota	34,889	33,864	32,472	27,703	31,206	24,786	31,470	29,173	30,499	18,468
Ohio	52,113	79,903	89,995	93,610	92,055	84,960	88,891	99,327	114,098	123,431
Oklahoma	1,594,943	1,684,260	1,806,887	1,770,980	1,638,942	1,605,410	1,726,513	1,769,519	1,773,582	1,835,366
Oregon	NA	NA	NA	0	0	0	0	0	0	2
Pennsylvania	76,841	76,451	73,958	78,514	82,637	84,676	89,386	91,717	97,763	96,313
South Dakota	NA	NA	0	0	0	0	0	0	0	914
Tennessee	64	89	25	20	17	27	47	263	468	941
Texas	8,357,716	8,550,705	8,657,840	8,513,850	8,170,798	7,485,764	7,191,859	7,051,027	6,548,184	7,174,623
Utah	42,781	42,418	39,474	42,715	50,522	55,354	57,416	60,696	58,416	58,605
Virginia	2,805	2,619	2,787	5,101	7,096	6,723	6,937	8,220	8,492	8,544
West Virginia	242,452	234,027	214,951	208,676	202,306	154,484	153,322	152,767	148,564	150,505
Wyoming	338,520	380,105	375,059	357,731	326,657	316,123	328,768	330,180	357,267	414,416
Total U.S.	**21,920,642**	**22,493,012**	**22,531,698**	**22,647,549**	**21,600,522**	**20,108,661**	**19,952,438**	**20,025,463**	**19,974,033**	**20,471,260**

Marketed Natural Gas Production by State
Million cubic feet

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	65,294	79,244	75,003	90,801	101,821	107,342	107,184	117,241	129,524	128,317
Alaska	230,588	242,564	264,364	276,691	289,129	321,346	304,841	359,837	378,638	388,247
Arizona	214	187	99	132	45	85	63	* NA	* NA	* NA
Arkansas	111,808	92,986	124,611	127,561	135,161	155,099	131,075	141,151	166,573	168,300
California	309,783	380,730	383,977	415,324	476,333	491,283	462,218	424,621	359,444	371,854
Colorado	188,001	195,706	209,892	163,545	173,257	178,233	163,684	164,557	191,544	203,847
Florida	40,638	32,470	22,515	21,056	12,585	10,545	8,833	8,281	7,484	7,984
Illinois	1,574	1,295	1,162	1,030	1,530	1,324	1,887	* NA	* NA	* NA
Indiana	463	330	233	135	394	367	365	* NA	* NA	* NA
Kansas	735,035	640,114	429,597	434,736	465,979	512,872	465,695	457,050	576,274	587,099
Kentucky	57,180	61,312	51,924	46,720	61,518	73,126	80,195	* NA	* NA	* NA
Louisiana	6,639,416	6,780,184	6,171,627	5,332,113	5,825,055	5,013,702	4,895,394	5,122,509	5,180,267	5,131,205
Maryland	68	56	36	31	60	39	20	* NA	* NA	* NA
Michigan	158,302	152,593	153,051	138,910	144,537	131,855	127,287	146,996	146,145	156,501
Mississippi	175,061	181,238	167,231	151,204	157,911	144,170	140,833	139,727	124,053	106,828
Missouri	0	0	NA	0	4	4	0	* NA	* NA	* NA
Montana	51,867	56,565	56,517	51,967	51,474	52,494	46,592	46,456	51,654	51,025
Nebraska	2,550	2,519	2,280	2,091	2,300	1,944	1,403	* NA	* NA	* NA
New Mexico	1,149,781	1,134,078	991,178	895,279	957,366	905,272	702,614	823,773	791,819	849,079
New York	15,643	16,074	15,877	17,836	25,200	31,561	29,964	* NA	* NA	* NA
North Dakota	42,346	42,573	53,818	69,319	70,496	72,633	55,098	62,258	57,747	53,090
Ohio	138,856	141,134	138,391	151,300	186,480	182,245	182,072	* NA	* NA	* NA
Oklahoma	1,891,824	2,019,199	1,934,412	1,730,061	1,985,869	1,936,341	1,917,493	2,004,797	2,106,632	2,153,149
Oregon	5	5	3	3	2,790	4,080	4,600	* NA	* NA	* NA
Pennsylvania	97,439	122,454	121,111	118,372	166,342	150,234	159,889	* NA	* NA	* NA
South Dakota	1,193	1,155	2,331	1,846	1,947	2,558	2,231	* NA	* NA	* NA
Tennessee	1,241	1,719	2,976	3,950	5,022	4,686	3,464	* NA	* NA	* NA
Texas	7,115,889	6,910,021	6,468,817	5,938,561	6,185,021	6,052,663	6,151,775	6,126,315	6,286,029	6,206,699
Utah	87,766	91,191	94,255	63,158	74,698	83,405	90,013	87,158	101,372	118,671
Virginia	7,812	8,903	6,880	4,346	8,901	15,041	15,427	* NA	* NA	* NA
West Virginia	156,551	161,251	150,850	130,078	143,730	144,883	135,431	160,000	182,000	198,200
Wyoming	409,541	410,499	424,657	443,988	516,683	416,565	403,266	497,980	509,058	599,747
Other	NA	NA	NA	NA	NA	NA	NA	457,830	462,056	463,300
Total U.S.	**19,883,729**	**19,960,349**	**18,519,675**	**16,822,144**	**18,229,638**	**17,197,999**	**16,790,910**	**17,348,537**	**17,808,313**	**17,943,142**

* Included in Other catagory. The 1989 figures for these states are estimates.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Imports & Exports of Natural Gas

	Imports		Exports			Imports		Exports	
Year	Mmcf	Mmcfd	Mmcf	Mmcfd	Year	Mmcf	Mmcfd	Mmcf	Mmcfd
1930	21	0.1	1,798	4.9	1960	155,646	425.3	11,332	31.0
1931	44	0.1	2,231	6.1	1961	218,860	599.6	10,747	29.4
1932	38	0.1	1,693	4.6	1962	401,534	1,100.1	15,814	43.3
1933	83	0.2	2,158	5.9	1963	406,204	1,112.9	16,957	46.5
1934	68	0.2	5,801	15.9	1964	443,326	1,211.3	19,603	53.6
1935	106	0.3	6,800	18.6	1965	456,394	1,250.4	26,132	71.6
1936	152	0.4	7,436	20.3	1966	479,780	1,314.5	24,639	67.5
1937	289	0.8	4,868	13.3	1967	564,226	1,545.8	81,614	223.6
1938	372	1.0	1,837	5.0	1968	651,885	1,781.1	93,745	256.1
1939	131	0.4	3,122	8.6	1969	726,951	1,991.6	51,304	140.6
1940	0	0.0	5,563	15.2	1970	820,780	2,248.7	69,813	191.3
1941	0	0.0	7,466	20.5	1971	934,548	2,560.4	80,212	219.8
1942	0	0.0	8,702	23.8	1972	1,019,496	2,785.5	78,013	213.2
1943	0	0.0	11,210	30.7	1973	1,032,901	2,829.9	77,169	211.4
1944	0	0.0	14,576	39.8	1974	959,284	2,628.2	76,789	210.4
1945	0	0.0	18,207	49.9	1975	953,008	2,611.0	72,675	199.1
1946	0	0.0	17,675	48.4	1976	963,768	2,633.2	64,711	176.8
1947	0	0.0	18,149	49.7	1977	1,011,001	2,769.9	55,626	152.4
1948	0	0.0	18,704	51.1	1978	965,545	2,645.3	52,532	143.9
1949	0	0.0	20,054	54.9	1979	1,253,383	3,433.9	55,673	152.5
1950	0	0.0	25,727	70.5	1980	984,767	2,690.6	48,731	133.1
1951	0	0.0	24,163	66.2	1981	903,949	2,476.6	59,372	162.7
1952	7,807	21.3	27,456	75.0	1982	933,336	2,557.1	51,728	141.7
1953	9,225	25.3	28,322	77.6	1983	918,407	2,516.2	54,638	149.7
1954	6,847	18.8	28,726	78.7	1984	843,060	2,303.4	54,753	149.6
1955	10,888	29.8	31,029	85.0	1985	949,715	2,602.0	57,095	156.4
1956	10,380	28.4	35,963	98.3	1986	750,449	2,056.0	61,271	167.9
1957	37,941	103.9	41,655	114.1	1987	992,532	2,719.3	54,020	148.0
1958	135,797	372.0	38,719	106.1	1988	1,293,812	3,535.0	73,638	201.2
1959	133,990	367.1	18,413	50.4					

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Natural Gas Imports and Exports
By Country
Million cubic feet

	Imports					Exports			
	Natural Gas from Canada	Natural Gas from Mexico	LNG from Algeria	LNG from Other	Total U.S. Imports	Natural Gas to Canada	Natural Gas to Mexico	LNG to Japan	Total U.S. Exports
1956	10,374	6	0	0	10,380	6,819	19,144	0	35,963
1957	20,971	16,970	0	0	37,941	30,867	10,788	0	41,655
1958	89,586	46,211	0	0	135,797	32,129	6,590	0	38,719
1959	83,061	50,929	0	0	133,990	11,739	6,674	0	18,413
1960	108,657	46,989	0	0	155,646	5,759	5,573	0	11,332
1961	167,104	51,756	0	0	218,860	5,577	5,170	0	10,747
1962	350,438	51,096	0	0	401,534	5,574	10,240	0	15,814
1963	356,455	49,749	0	0	406,204	6,879	10,078	0	16,957
1964	390,721	52,605	0	0	443,326	9,763	9,840	0	19,603
1965	404,686	51,708	0	0	456,394	17,979	8,153	0	26,132
1966	430,189	49,591	0	0	479,780	20,281	4,358	0	24,639
1967	513,255	50,971	0	0	564,226	70,456	11,158	0	81,614
1968	604,462	47,423	NA	0	651,885	81,647	12,098	0	93,745
1969	680,106	46,845	NA	0	726,951	34,931	13,391	2,982	51,304
1970	778,687	41,336	757	NA	820,780	10,878	14,678	44,257	69,813
1971	910,926	20,689	1,433	*1,500	934,548	14,349	15,632	50,231	80,212
1972	1,009,093	8,140	2,032	*230	1,019,496	15,553	14,579	47,882	78,013
1973	1,027,216	1,632	3,388	*667	1,032,901	14,824	13,999	48,346	77,169
1974	959,063	222	0	0	959,284	13,263	13,268	50,258	76,789
1975	948,115	0	4,893	0	953,008	10,219	9,454	53,002	72,675
1976	953,613	0	10,155	0	963,768	7,506	7,425	49,779	64,711
1977	996,723	2,384	11,324	*572	1,011,001	31	3,940	51,655	55,626
1978	881,123	0	84,422	0	965,545	66	4,033	48,434	52,532
1979	1,000,775	0	252,608	0	1,253,383	76	4,308	51,289	55,673
1980	796,507	102,410	85,850	0	984,767	113	3,886	44,732	48,731
1981	762,107	105,013	36,824	*6	903,949	106	3,337	55,929	59,372
1982	783,407	94,794	55,136	0	933,336	162	1,705	49,861	51,728
1983	711,923	75,361	131,124	0	918,407	136	1,646	52,857	54,639
1984	755,368	51,502	36,191	0	843,060	127	1,786	52,840	53,753
1985	926,056	0	23,659	0	949,715	178	2,207	52,883	55,268
1986	748,780	0	0	+1,669	750,449	9,203	1,896	50,172	61,271
1987	992,532	0	0	0	992,532	3,297	2,125	48,599	54,020
1988	1,276,322	0	17,490	0	1,293,812	19,738	2,327	51,573	73,638

* From Canada.
+ From Indonesia.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Imports of Natural Gas
Total U.S.
Millions of cubic feet per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	3,000.0	3,000.0	2,935.5	2,933.3	2,774.2	2,633.3	2,580.6	2,741.9	2,733.3	2,935.5	2,833.3	2,871.0	**2,831.0**
1974	2,774.2	2,821.4	2,741.9	2,766.7	2,580.6	2,466.7	2,387.1	2,451.6	2,333.3	2,677.4	2,733.3	2,806.5	**2,628.4**
1975	2,612.9	2,678.6	2,677.4	2,733.3	2,580.6	2,533.3	2,580.6	2,419.4	2,466.7	2,580.6	2,700.0	2,774.2	**2,611.5**
1976	2,709.7	2,689.7	2,741.9	2,866.7	2,645.2	2,533.3	2,354.8	2,483.9	2,466.7	2,741.9	2,700.0	2,677.4	**2,634.3**
1977	2,806.5	3,285.7	3,258.1	2,800.0	2,774.2	2,533.3	2,354.8	2,451.6	2,500.0	2,741.9	2,866.7	2,903.2	**2,773.0**
1978	2,774.2	2,750.0	2,774.2	2,600.0	2,387.1	2,266.7	2,322.6	2,387.1	2,433.3	2,580.6	3,033.3	3,451.6	**2,646.7**
1979	3,290.3	3,464.3	3,645.2	3,533.3	3,354.8	3,366.7	3,354.8	3,129.0	3,266.7	3,451.6	3,800.0	3,548.4	**3,433.8**
1980	3,806.5	3,724.1	3,516.1	2,566.7	2,258.1	2,033.3	1,967.7	1,935.5	2,000.0	2,419.4	2,933.3	3,161.3	**2,693.5**
1981	2,935.5	3,035.7	2,580.6	2,300.0	2,000.0	2,166.7	2,129.0	2,064.5	2,233.3	2,548.4	2,733.3	3,000.0	**2,477.3**
1982	3,161.3	3,035.7	2,645.2	2,400.0	2,096.8	2,033.3	2,161.3	1,967.7	2,200.0	2,483.9	3,033.3	3,548.4	**2,563.9**
1983	3,612.9	3,392.9	2,774.2	2,466.7	1,967.7	1,966.7	1,871.0	1,806.5	2,233.3	2,064.5	2,666.7	3,451.6	**2,522.9**
1984	3,129.0	2,379.3	2,225.8	2,366.7	2,129.0	1,966.7	1,774.2	1,741.9	1,900.0	2,161.3	2,800.0	3,032.3	**2,300.5**
1985	3,354.8	3,535.7	2,903.2	2,533.3	2,354.8	2,166.7	1,903.2	1,967.7	2,100.0	2,451.6	2,566.7	3,419.4	**2,604.8**
1986	3,193.5	2,642.9	1,774.2	1,433.3	1,677.4	1,466.7	1,548.4	1,645.2	1,800.0	2,225.8	2,333.3	2,903.2	**2,053.7**
1987	3,258.1	3,000.0	2,774.2	2,266.7	1,967.7	1,933.3	2,129.0	2,419.4	2,433.3	3,000.0	3,566.7	3,903.2	**2,721.0**
1988	4,483.9	4,034.5	3,645.2	3,200.0	3,032.3	3,100.0	3,225.8	3,032.3	3,166.7	3,419.4	4,033.3	4,096.8	**3,539.2**
1989	3,838.7	3,821.4	3,741.9	3,766.7	3,419.4	3,500.0	3,258.1	3,419.4	3,866.7	3,903.2	4,066.7	4,709.7	**3,776.0**

Imports of Natural Gas
Total U.S.
Billions of cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1973	93	84	91	88	86	79	80	85	82	91	85	89	**1,033**
1974	86	79	85	83	80	74	74	76	70	83	82	87	**959**
1975	81	75	83	82	80	76	80	75	74	80	81	86	**953**
1976	84	78	85	86	82	76	73	77	74	85	81	83	**964**
1977	87	92	101	84	86	76	73	76	75	85	86	90	**1,011**
1978	86	77	86	78	74	68	72	74	73	80	91	107	**966**
1979	102	97	113	106	104	101	104	97	98	107	114	110	**1,253**
1980	118	108	109	77	70	61	61	60	60	75	88	98	**985**
1981	91	85	80	69	62	65	66	64	67	79	82	93	**903**
1982	98	85	82	72	65	61	67	61	66	77	91	110	**935**
1983	112	95	86	74	61	59	58	56	67	64	80	107	**919**
1984	97	69	69	71	66	59	55	54	57	67	84	94	**842**
1985	104	99	90	76	73	65	59	61	63	76	77	106	**949**
1986	99	74	55	43	52	44	48	51	54	69	70	90	**749**
1987	101	84	86	68	61	58	66	75	73	93	107	121	**993**
1988	139	117	113	96	94	93	100	94	95	106	121	127	**1,295**
1989	119	107	116	113	106	105	101	106	116	121	122	146	**1,378**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Exports of Natural Gas
Total U.S.
Millions of cubic feet per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1976	161.3	172.4	193.5	200.0	161.3	166.7	193.5	193.5	200.0	161.3	166.7	161.3	**177.6**
1977	161.3	142.9	129.0	100.0	96.8	166.7	225.8	161.3	166.7	161.3	166.7	161.3	**153.3**
1978	161.3	178.6	161.3	100.0	161.3	133.3	161.3	161.3	200.0	96.8	100.0	129.0	**145.3**
1979	193.5	178.6	161.3	166.7	161.3	166.7	193.5	129.0	166.7	96.8	100.0	129.0	**153.6**
1980	193.5	172.4	161.3	100.0	96.8	100.0	96.8	96.8	166.7	161.3	100.0	161.3	**133.9**
1981	161.3	178.6	161.3	166.7	129.0	166.7	161.3	161.3	200.0	161.3	166.7	161.3	**164.6**
1982	96.8	178.6	161.3	66.7	96.8	200.0	161.3	193.5	166.7	161.3	166.7	161.3	**150.9**
1983	161.3	178.6	161.3	133.3	96.8	166.7	161.3	129.0	166.7	129.0	166.7	161.3	**151.0**
1984	161.3	172.4	193.5	166.7	161.3	100.0	161.3	161.3	166.7	161.3	166.7	161.3	**161.1**
1985	161.3	178.6	193.5	166.7	64.5	166.7	193.5	161.3	166.7	161.3	166.7	161.3	**161.8**
1986	161.3	107.1	161.3	200.0	96.8	200.0	193.5	193.5	166.7	161.3	200.0	193.5	**169.6**
1987	161.3	107.1	161.3	100.0	96.8	166.7	161.3	161.3	166.7	161.3	200.0	161.3	**150.4**
1988	161.3	172.4	193.5	200.0	129.0	266.7	161.3	193.5	233.3	193.5	233.3	290.3	**202.4**
1989	193.5	178.6	193.5	200.0	129.0	200.0	193.5	193.5	200.0	193.5	233.3	193.5	**191.9**

Exports of Natural Gas
Total U.S.
Billions of cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976	5	5	6	6	5	5	6	6	6	5	5	5	**65**
1977	5	4	4	3	3	5	7	5	5	5	5	5	**56**
1978	5	5	5	3	5	4	5	5	6	3	3	4	**53**
1979	6	5	5	5	5	5	6	4	5	3	3	4	**56**
1980	6	5	5	3	3	3	3	3	5	5	3	5	**49**
1981	5	5	5	5	4	5	5	5	6	5	5	5	**60**
1982	3	5	5	2	3	6	5	6	5	5	5	5	**55**
1983	5	5	5	4	3	5	5	4	5	4	5	5	**55**
1984	5	5	6	5	5	3	5	5	5	5	5	5	**59**
1985	5	5	6	5	2	5	6	5	5	5	5	5	**59**
1986	5	3	5	6	3	6	6	6	5	5	6	6	**62**
1987	5	3	5	3	3	5	5	5	5	5	6	5	**55**
1988	5	5	6	6	4	8	5	6	7	6	7	9	**74**
1989	6	5	6	6	4	6	6	6	6	6	7	6	**70**

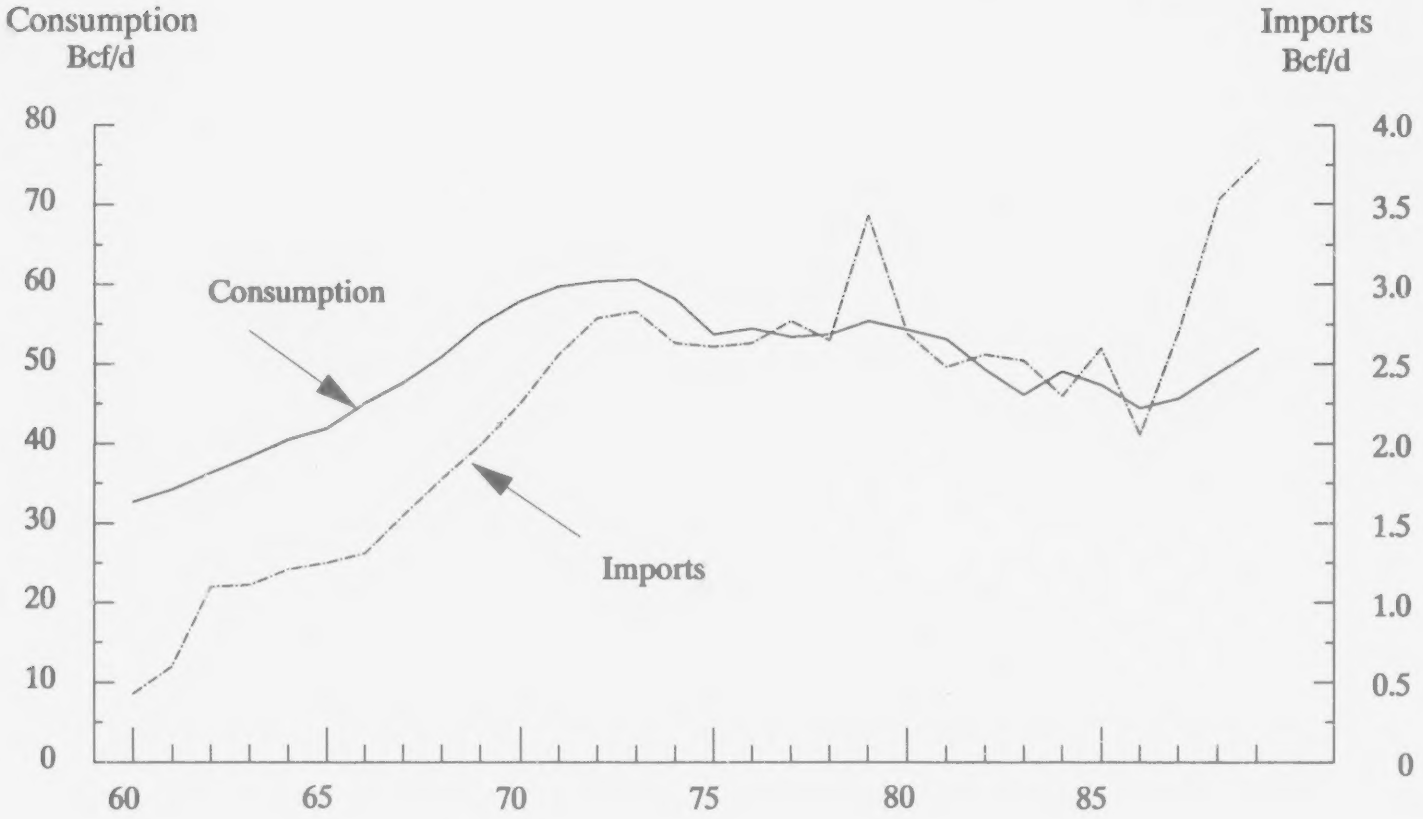
Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Natural Gas in Underground Storage
Total U.S.
Billions of cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December
Total Gas in Storage												
1979	5,348	4,806	4,695	4,762	5,057	5,399	5,743	6,095	6,401	6,563	6,541	6,297
1980	5,865	5,397	5,131	5,227	5,538	5,841	6,127	6,444	6,692	6,782	6,639	6,272
1981	5,795	5,472	5,285	5,434	5,660	5,933	6,257	6,595	6,872	6,974	6,932	6,569
1982	5,932	5,536	5,370	5,454	5,814	6,147	6,484	6,778	7,033	7,149	7,081	6,879
1983	6,457	6,167	5,959	5,877	6,026	6,272	6,522	6,732	6,964	7,095	7,015	6,442
1984	5,937	5,704	5,396	5,442	5,670	5,969	6,285	6,569	6,825	7,011	6,915	6,706
1985	6,083	5,694	5,578	5,691	5,965	6,191	6,454	6,681	6,931	7,059	6,934	6,448
1986	6,056	5,714	5,602	5,675	5,906	6,153	6,412	6,683	6,906	7,048	6,897	6,567
1987	6,098	5,803	5,693	5,750	6,017	6,247	6,449	6,648	6,862	6,919	6,851	6,548
1988	6,020	5,618	5,473	5,559	5,818	6,085	6,359	6,626	6,911	7,035	6,974	6,650
1989	6,307	5,796	5,578	5,624	5,863	6,176	6,446	6,740	6,986	7,094	7,010	6,311
Base Gas in Storage												
1979	3,458	3,457	3,459	3,427	3,438	3,449	3,459	3,467	3,481	3,484	3,496	3,537
1980	3,535	3,536	3,542	3,547	3,553	3,560	3,564	3,594	3,596	3,598	3,620	3,629
1981	3,642	3,648	3,654	3,670	3,684	3,681	3,699	3,713	3,720	3,726	3,731	3,752
1982	3,751	3,750	3,766	3,778	3,780	3,778	3,780	3,781	3,782	3,785	3,772	3,808
1983	3,813	3,811	3,812	3,818	3,818	3,819	3,826	3,823	3,823	3,825	3,841	3,847
1984	3,847	3,828	3,824	3,822	3,827	3,828	3,829	3,829	3,829	3,837	3,900	3,830
1985	3,841	3,841	3,835	3,831	3,837	3,839	3,849	3,849	3,849	3,851	3,847	3,842
1986	3,842	3,842	3,838	3,834	3,830	3,829	3,841	3,840	3,840	3,840	3,820	3,819
1987	3,818	3,815	3,813	3,812	3,811	3,810	3,813	3,813	3,813	3,813	3,792	3,792
1988	3,792	3,791	3,790	3,790	3,790	3,792	3,793	3,791	3,791	3,792	3,803	3,800
1989	3,798	3,801	3,801	3,801	3,802	3,802	3,802	3,802	3,802	3,800	3,812	3,812
Working Gas in Storage												
1979	1,890	1,349	1,236	1,335	1,619	1,950	2,284	2,628	2,920	3,079	3,045	2,760
1980	2,330	1,861	1,589	1,680	1,985	2,281	2,563	2,850	3,096	3,184	3,019	2,643
1981	2,152	1,824	1,631	1,764	1,977	2,252	2,558	2,882	3,152	3,248	3,201	2,817
1982	2,182	1,787	1,604	1,676	2,034	2,369	2,704	2,998	3,251	3,364	3,309	3,071
1983	2,644	2,356	2,148	2,074	2,222	2,454	2,696	2,908	3,141	3,270	3,175	2,595
1984	2,091	1,876	1,572	1,620	1,843	2,141	2,456	2,740	2,996	3,175	3,015	2,876
1985	2,242	1,853	1,743	1,859	2,129	2,351	2,605	2,832	3,082	3,207	3,087	2,607
1986	2,213	1,872	1,764	1,841	2,076	2,323	2,570	2,842	3,066	3,208	3,077	2,749
1987	2,280	1,988	1,879	1,938	2,206	2,437	2,636	2,836	3,049	3,106	3,059	2,756
1988	2,228	1,827	1,682	1,769	2,027	2,293	2,567	2,835	3,120	3,243	3,171	2,850
1989	2,509	1,994	1,776	1,823	2,062	2,374	2,644	2,938	3,183	3,293	3,197	2,499
Net Injections or Withdrawals												
1979	-652	-543	-111	109	295	342	342	350	312	162	-24	-239
1980	-444	-469	-266	96	311	303	284	298	249	88	-137	-368
1981	-521	-317	-179	153	228	287	309	346	277	104	-44	-353
1982	-649	-396	-176	73	371	342	339	298	257	131	-80	-204
1983	-424	-289	-207	-78	151	234	243	212	232	131	-78	-567
1984	-517	-244	-317	44	224	296	317	288	259	95	-145	-213
1985	-610	-391	-119	113	272	221	263	228	253	128	-103	-485
1986	-366	-315	-104	67	213	231	245	253	215	141	-123	-316
1987	-475	-285	-105	62	265	227	199	198	209	60	-48	-300
1988	-531	-406	-156	71	236	238	252	230	262	105	-40	-329
1989	-354	-518	-218	47	216	313	297	294	249	107	-107	-679

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Natural Gas Imports and Consumption



Source: EIA

Total U.S. Consumption of Natural Gas
by End Use Sector
Million cubic feet

	Lease & Plant Fuel	Pipeline Fuel	Total Delivered to Consumers	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities Consumption	Total Consumption
1930	648,025	NA	1,218,479	295,700	80,707	721,782	120,290	**1,866,504**
1931	509,077	NA	1,112,884	294,406	86,491	593,644	138,343	**1,621,961**
1932	477,562	NA	1,024,957	298,520	87,367	531,831	107,239	**1,502,519**
1933	442,879	NA	1,062,240	283,197	85,577	590,865	102,601	**1,505,119**
1934	502,352	NA	1,210,446	288,236	91,261	703,053	127,896	**1,712,798**
1935	524,926	NA	1,329,487	313,498	100,187	790,563	125,239	**1,854,413**
1936	557,404	NA	1,542,050	343,346	111,623	931,001	156,080	**2,099,454**
1937	581,110	NA	1,751,721	371,844	117,390	1,091,920	170,567	**2,332,831**
1938	585,865	NA	1,634,894	367,772	114,296	982,838	169,988	**2,220,759**
1939	607,138	NA	1,792,881	391,153	118,334	1,092,263	191,131	**2,400,019**
1940	632,335	NA	1,942,798	443,646	134,644	1,181,352	183,156	**2,575,133**
1941	570,694	NA	2,119,034	442,067	144,844	1,326,967	205,156	**2,689,728**
1942	602,063	NA	2,323,710	498,537	183,603	1,402,834	238,736	**2,925,773**
1943	659,198	NA	2,622,493	529,444	204,793	1,582,680	305,576	**3,281,691**
1944	712,312	NA	2,841,283	562,183	220,747	1,698,608	359,745	**3,553,595**
1945	757,016	NA	2,983,527	607,400	230,099	1,819,838	326,190	**3,740,543**
1946	732,535	NA	3,115,121	660,820	241,802	1,905,575	306,924	**3,847,656**
1947	745,027	NA	3,492,783	802,150	285,213	2,032,383	373,037	**4,237,810**
1948	812,005	NA	3,923,636	896,348	323,054	2,226,137	478,097	**4,735,641**
1949	835,297	NA	4,135,855	992,544	347,818	2,245,372	550,121	**4,971,152**
1950	927,611	125,546	4,713,385	1,198,369	387,838	2,498,259	628,919	**5,766,542**
1951	1,149,470	192,496	5,468,196	1,474,725	464,309	2,765,264	763,898	**6,810,162**
1952	1,164,596	207,207	5,922,517	1,621,966	515,669	2,874,765	910,117	**7,294,320**
1953	1,131,017	230,314	6,277,939	1,685,503	530,650	3,027,514	1,034,272	**7,639,270**
1954	1,102,535	230,615	6,715,354	1,894,248	584,957	3,070,651	1,165,498	**8,048,504**
1955	1,130,985	245,246	7,317,426	2,123,952	629,219	3,410,975	1,153,280	**8,693,657**
1956	1,002,537	295,972	7,990,356	2,327,564	716,871	3,706,610	1,239,311	**9,288,865**
1957	1,046,084	299,235	8,500,820	2,500,269	775,916	3,888,494	1,336,141	**9,846,139**
1958	1,146,064	312,221	8,844,323	2,714,251	871,774	3,885,445	1,372,853	**10,302,608**
1959	1,238,945	349,348	9,732,888	2,912,601	975,107	4,216,671	1,628,509	**11,321,181**
1960	1,236,781	347,075	10,382,681	3,103,167	1,020,222	4,534,530	1,724,762	**11,966,537**
1961	1,288,762	377,607	10,822,899	3,248,578	1,076,849	4,672,355	1,825,117	**12,489,268**
1962	1,369,512	382,496	11,514,505	3,478,563	1,206,668	4,863,300	1,965,974	**13,266,513**
1963	1,411,088	423,783	12,135,358	3,589,021	1,267,783	5,134,081	2,144,473	**13,970,229**
1964	1,370,835	435,570	13,007,403	3,787,292	1,374,717	5,522,498	2,322,896	**14,813,808**
1965	1,156,224	500,524	13,622,968	3,902,802	1,443,648	5,955,417	2,321,101	**15,279,716**
1966	1,033,400	535,353	14,883,650	4,138,259	1,622,740	6,512,702	2,609,949	**16,452,403**
1967	1,140,966	575,752	15,671,642	4,313,304	1,958,970	6,653,016	2,746,352	**17,388,360**
1968	1,237,131	590,965	16,803,966	4,450,354	2,075,736	7,129,967	3,147,909	**18,632,062**
1969	1,345,648	630,962	18,079,630	4,728,281	2,253,206	7,610,501	3,487,642	**20,056,240**

Total U.S. Consumption of Natural Gas
by End Use Sector
Million cubic feet

	Lease & Plant Fuel	Pipeline Fuel	Total Delivered to Consumers	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities Consumption	Total Consumption
1970	1,398,758	722,166	19,018,462	4,837,432	2,398,510	7,850,660	3,931,860	**21,139,386**
1971	1,413,650	742,592	19,637,212	4,971,690	2,508,977	8,180,527	3,976,018	**21,793,454**
1972	1,455,563	766,156	19,879,733	5,125,982	2,607,982	8,168,856	3,976,913	**22,101,452**
1973	1,495,915	728,177	19,825,271	4,879,387	2,597,037	8,688,675	3,660,172	**22,049,363**
1974	1,477,386	668,792	19,076,955	4,786,128	2,555,617	8,291,782	3,443,428	**21,223,133**
1975	1,396,277	582,963	17,558,353	4,924,124	2,508,293	6,968,267	3,157,669	**19,537,593**
1976	1,634,355	548,323	17,763,818	5,051,360	2,667,740	6,963,850	3,080,868	**19,946,496**
1977	1,659,145	532,669	17,328,767	4,821,485	2,500,793	6,815,289	3,191,200	**19,520,581**
1978	1,647,911	530,451	17,449,116	4,903,006	2,601,106	6,756,641	3,188,363	**19,627,478**
1979	1,498,530	600,964	18,141,267	4,965,365	2,785,961	6,899,418	3,490,523	**20,240,761**
1980	1,026,438	634,622	18,216,233	4,752,082	2,610,895	7,171,661	3,681,595	**19,877,293**
1981	927,591	642,325	17,833,942	4,546,450	2,519,791	7,127,548	3,640,153	**19,403,858**
1982	1,109,398	596,411	16,295,246	4,633,035	2,605,523	5,831,170	3,225,518	**18,001,055**
1983	978,249	490,042	15,368,000	4,381,000	2,433,000	5,643,000	2,911,000	**16,836,291**
1984	1,076,881	528,754	16,344,892	4,555,465	2,524,244	6,153,841	3,111,342	**17,950,527**
1985	966,047	503,766	15,811,130	4,433,377	2,432,382	5,901,288	3,044,083	**17,280,943**
1986	922,524	485,041	14,813,731	4,313,969	2,318,335	5,579,057	2,602,370	**16,221,296**
1987	1,149,383	519,170	15,542,256	4,314,833	2,430,064	5,953,308	2,844,051	**17,210,809**
1988	1,094,676	613,912	16,318,984	4,630,330	2,670,465	6,383,382	2,634,807	**18,027,572**
1989	1,188,000	589,000	17,179,270	4,843,416	2,728,277	6,839,810	2,767,766	**18,956,000**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total U.S. Consumption of Natural Gas
by End Use Sector
Million cubic feet per day

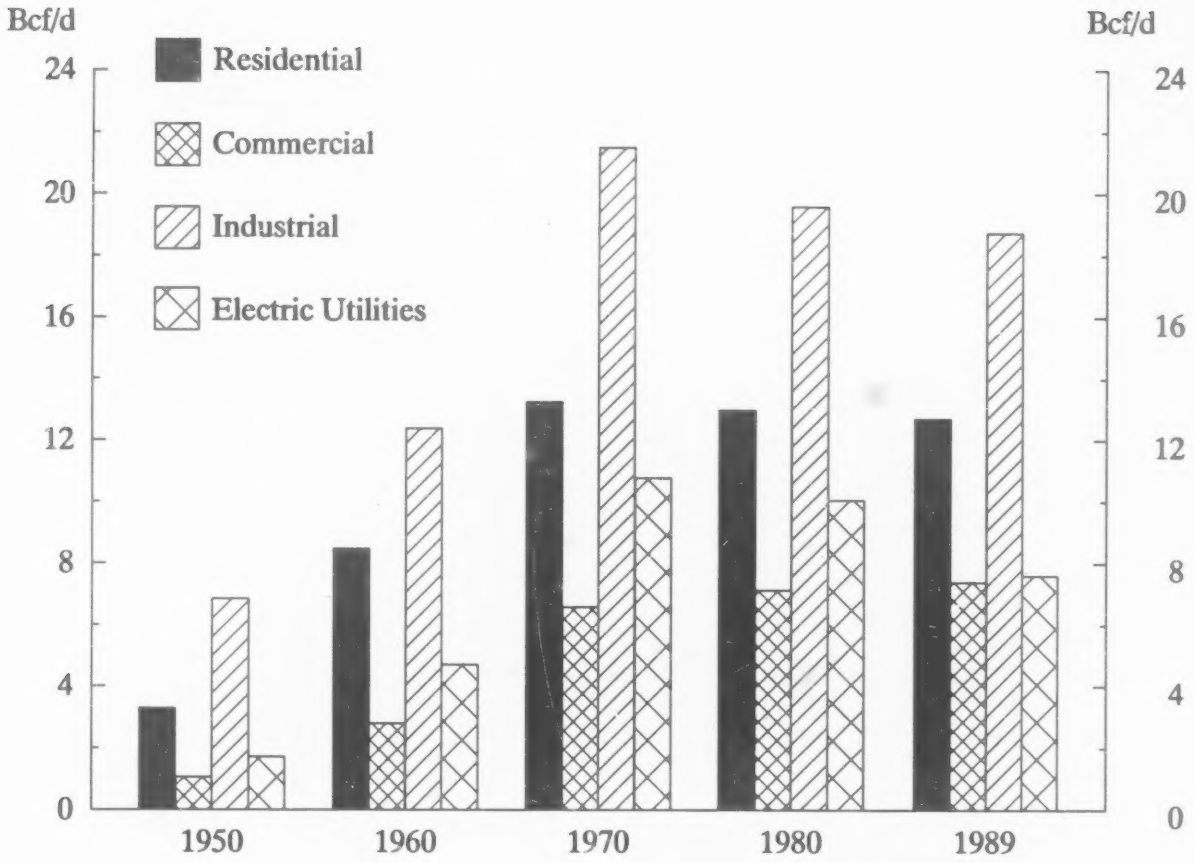
	Lease & Plant Fuel	Pipeline Fuel	Total Delivered to Consumers	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities Consumption	Total Consumption
1930	1,775.4	NA	3,338.3	810.1	221.1	1,977.5	329.6	**5,113.7**
1931	1,394.7	NA	3,049.0	806.6	237.0	1,626.4	379.0	**4,443.7**
1932	1,304.8	NA	2,800.4	815.6	238.7	1,453.1	293.0	**4,105.2**
1933	1,213.4	NA	2,910.2	775.9	234.5	1,618.8	281.1	**4,123.6**
1934	1,376.3	NA	3,316.3	789.7	250.0	1,926.2	350.4	**4,692.6**
1935	1,438.2	NA	3,642.4	858.9	274.5	2,165.9	343.1	**5,080.6**
1936	1,523.0	NA	4,213.3	938.1	305.0	2,543.7	426.4	**5,736.2**
1937	1,592.1	NA	4,799.2	1,018.8	321.6	2,991.6	467.3	**6,391.3**
1938	1,605.1	NA	4,479.2	1,007.6	313.1	2,692.7	465.7	**6,084.3**
1939	1,663.4	NA	4,912.0	1,071.7	324.2	2,992.5	523.6	**6,575.4**
1940	1,727.7	NA	5,308.2	1,212.1	367.9	3,227.7	500.4	**7,035.9**
1941	1,563.5	NA	5,805.6	1,211.1	396.8	3,635.5	562.1	**7,369.1**
1942	1,649.5	NA	6,366.3	1,365.9	503.0	3,843.4	654.1	**8,015.8**
1943	1,806.0	NA	7,184.9	1,450.5	561.1	4,336.1	837.2	**8,990.9**
1944	1,946.2	NA	7,763.1	1,536.0	603.1	4,641.0	982.9	**9,709.3**
1945	2,074.0	NA	8,174.0	1,664.1	630.4	4,985.9	893.7	**10,248.1**
1946	2,006.9	NA	8,534.6	1,810.5	662.5	5,220.8	840.9	**10,541.5**
1947	2,041.2	NA	9,569.3	2,197.7	781.4	5,568.2	1,022.0	**11,610.4**
1948	2,218.6	NA	10,720.3	2,449.0	882.7	6,082.3	1,306.3	**12,938.9**
1949	2,288.5	NA	11,331.1	2,719.3	952.9	6,151.7	1,507.2	**13,619.6**
1950	2,541.4	344.0	12,913.4	3,283.2	1,062.6	6,844.5	1,723.1	**15,798.7**
1951	3,149.2	527.4	14,981.4	4,040.3	1,272.1	7,576.1	2,092.9	**18,658.0**
1952	3,182.0	566.1	16,181.7	4,431.6	1,408.9	7,854.5	2,486.7	**19,929.8**
1953	3,098.7	631.0	17,199.8	4,617.8	1,453.8	8,294.6	2,833.6	**20,929.5**
1954	3,020.6	631.8	18,398.2	5,189.7	1,602.6	8,412.7	3,193.1	**22,050.7**
1955	3,098.6	671.9	20,047.7	5,819.0	1,723.9	9,345.1	3,159.7	**23,818.2**
1956	2,739.2	808.7	21,831.6	6,359.5	1,958.7	10,127.3	3,386.1	**25,379.4**
1957	2,866.0	819.8	23,289.9	6,850.1	2,125.8	10,653.4	3,660.7	**26,975.7**
1958	3,139.9	855.4	24,231.0	7,436.3	2,388.4	10,645.1	3,761.2	**28,226.3**
1959	3,394.4	957.1	26,665.4	7,979.7	2,671.5	11,552.5	4,461.7	**31,016.9**
1960	3,379.2	948.3	28,368.0	8,478.6	2,787.5	12,389.4	4,712.5	**32,695.5**
1961	3,530.9	1,034.5	29,651.8	8,900.2	2,950.3	12,801.0	5,000.3	**34,217.2**
1962	3,752.1	1,047.9	31,546.6	9,530.3	3,305.9	13,324.1	5,386.2	**36,346.6**
1963	3,866.0	1,161.0	33,247.6	9,832.9	3,473.4	14,066.0	5,875.3	**38,274.6**
1964	3,745.5	1,190.1	35,539.4	10,347.8	3,756.1	15,088.8	6,346.7	**40,474.9**
1965	3,167.7	1,371.3	37,323.2	10,692.6	3,955.2	16,316.2	6,359.2	**41,862.2**
1966	2,831.2	1,466.7	40,777.1	11,337.7	4,445.9	17,843.0	7,150.5	**45,075.1**
1967	3,125.9	1,577.4	42,936.0	11,817.3	5,367.0	18,227.4	7,524.3	**47,639.3**
1968	3,380.1	1,614.7	45,912.5	12,159.4	5,671.4	19,480.8	8,600.8	**50,907.3**
1969	3,686.7	1,728.7	49,533.2	12,954.2	6,173.2	20,850.7	9,555.2	**54,948.6**

Total U.S. Consumption of Natural Gas
by End Use Sector
Million cubic feet per day

	Lease & Plant Fuel	Pipeline Fuel	Total Delivered to Consumers	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities Consumption	Total Consumption
1970	3,832.2	1,978.5	52,105.4	13,253.2	6,571.3	21,508.7	10,772.2	**57,916.1**
1971	3,873.0	2,034.5	53,800.6	13,621.1	6,873.9	22,412.4	10,893.2	**59,708.1**
1972	3,976.9	2,093.3	54,316.2	14,005.4	7,125.6	22,319.3	10,865.9	**60,386.5**
1973	4,098.4	1,995.0	54,315.8	13,368.2	7,115.2	23,804.6	10,027.9	**60,409.2**
1974	4,047.6	1,832.3	52,265.6	13,112.7	7,001.7	22,717.2	9,434.0	**58,145.6**
1975	3,825.4	1,597.2	48,105.1	13,490.8	6,872.0	19,091.1	8,651.1	**53,527.7**
1976	4,465.5	1,498.2	48,535.0	13,801.5	7,288.9	19,026.9	8,417.7	**54,498.6**
1977	4,545.6	1,459.4	47,476.1	13,209.5	6,851.5	18,672.0	8,743.0	**53,481.0**
1978	4,514.8	1,453.3	47,805.8	13,432.9	7,126.3	18,511.3	8,735.2	**53,773.9**
1979	4,105.6	1,646.5	49,702.1	13,603.7	7,632.8	18,902.5	9,563.1	**55,454.1**
1980	2,804.5	1,733.9	49,771.1	12,983.8	7,133.6	19,594.7	10,059.0	**54,309.5**
1981	2,541.3	1,759.8	48,860.1	12,456.0	6,903.5	19,527.5	9,973.0	**53,161.3**
1982	3,039.4	1,634.0	44,644.5	12,693.2	7,138.4	15,975.8	8,837.0	**49,318.0**
1983	2,680.1	1,342.6	42,104.1	12,002.7	6,665.8	15,460.3	7,975.3	**46,126.8**
1984	2,942.3	1,444.7	44,658.2	12,446.6	6,896.8	16,813.8	8,500.9	**49,045.2**
1985	2,646.7	1,380.2	43,318.2	12,146.2	6,664.1	16,167.9	8,340.0	**47,345.0**
1986	2,527.5	1,328.9	40,585.6	11,819.1	6,351.6	15,285.1	7,129.8	**44,441.9**
1987	3,149.0	1,422.4	42,581.5	11,821.5	6,657.7	16,310.4	7,791.9	**47,152.9**
1988	2,990.9	1,677.4	44,587.4	12,651.2	7,296.4	17,440.9	7,198.9	**49,255.7**
1989	3,254.8	1,613.7	47,066.5	13,269.6	7,474.7	18,739.2	7,582.9	**51,935.0**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Natural Gas Consumption By Sector



Source: BOM, EIA

Total Consumption of Natural Gas
Total U.S.
Million cubic feet per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1974	71,935	73,357	64,613	56,367	51,871	47,967	48,839	48,710	51,233	55,032	60,900	67,871	**58,225**
1975	72,516	69,250	61,387	52,500	42,935	41,900	42,355	44,161	45,667	49,806	54,667	66,097	**53,603**
1976	74,097	62,862	58,774	50,133	46,258	44,233	43,419	42,806	43,067	51,968	62,567	72,161	**54,362**
1977	77,645	64,857	55,323	47,967	44,484	44,433	42,742	44,000	47,567	48,968	56,333	68,000	**53 527**
1978	76,935	75,571	60,935	50,433	43,645	40,733	42,194	40,452	40,733	46,097	54,767	66,323	**53,235**
1979	77,968	78,393	60,516	52,867	46,032	43,800	42,677	43,129	44,067	50,000	58,633	66,355	**55,370**
1980	73,516	75,586	67,710	52,267	43,710	41,767	41,968	40,194	43,300	49,742	59,433	69,548	**54,895**
1981	73,516	67,643	61,290	49,633	46,000	43,633	42,419	42,387	42,200	48,968	53,967	67,000	**53,221**
1982	77,419	70,857	59,290	49,500	36,645	37,167	36,935	37,129	38,000	42,290	51,967	56,097	**49,441**
1983	63,710	58,643	51,323	45,767	36,065	32,467	33,355	35,871	35,700	40,194	50,100	70,677	**46,156**
1984	75,484	67,379	59,355	53,267	43,452	39,200	37,161	37,226	36,167	38,065	46,433	55,871	**49,088**
1985	67,065	76,250	55,194	47,933	36,742	35,667	35,871	36,032	35,000	37,387	44,533	62,419	**47,508**
1986	67,935	66,036	54,935	44,433	37,452	34,633	33,516	32,484	31,933	33,581	42,533	55,161	**44,553**
1987	66,419	66,679	55,516	47,600	38,355	36,767	35,613	36,742	35,467	40,129	48,067	59,677	**47,253**
1988	72,323	71,828	60,581	48,867	41,258	38,000	37,032	38,581	36,200	39,645	48,300	59,065	**49,307**
1989	66,032	72,536	63,903	53,600	44,194	40,733	40,032	39,484	40,033	41,548	52,100	70,258	**52,038**

Total Consumption of Natural Gas
Total U.S.
Billion cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1974	2,230	2,054	2,003	1,691	1,608	1,439	1,514	1,510	1,537	1,706	1,827	2,104	**21,223**
1975	2,248	1,939	1,903	1,575	1,331	1,257	1,313	1,369	1,370	1,544	1,640	2,049	**19,538**
1976	2,297	1,823	1,822	1,504	1,434	1,327	1,346	1,327	1,292	1,611	1,877	2,237	**19,897**
1977	2,407	1,816	1,715	1,439	1,379	1,333	1,325	1,364	1,427	1,518	1,690	2,108	**19,521**
1978	2,385	2,116	1,889	1,513	1,353	1,222	1,308	1,254	1,222	1,429	1,643	2,056	**19,390**
1979	2,417	2,195	1,876	1,586	1,427	1,314	1,323	1,337	1,322	1,550	1,759	2,057	**20,163**
1980	2,279	2,192	2,099	1,568	1,355	1,253	1,301	1,246	1,299	1,542	1,783	2,156	**20,073**
1981	2,279	1,894	1,900	1,489	1,426	1,309	1,315	1,314	1,266	1,518	1,619	2,077	**19,406**
1982	2,400	1,984	1,838	1,485	1,136	1,115	1,145	1,151	1,140	1,311	1,559	1,739	**18,003**
1983	1,975	1,642	1,591	1,373	1,118	974	1,034	1,112	1,071	1,246	1,503	2,191	**16,830**
1984	2,340	1,954	1,840	1,598	1,347	1,176	1,152	1,154	1,085	1,180	1,393	1,732	**17,951**
1985	2,079	2,135	1,711	1,438	1,139	1,070	1,112	1,117	1,050	1,159	1,336	1,935	**17,281**
1986	2,106	1,849	1,703	1,333	1,161	1,039	1,039	1,007	958	1,041	1,276	1,710	**16,222**
1987	2,059	1,867	1,721	1,428	1,189	1,103	1,104	1,139	1,064	1,244	1,442	1,850	**17,210**
1988	2,242	2,083	1,878	1,466	1,279	1,140	1,148	1,196	1,086	1,229	1,449	1,831	**18,027**
1989	2,047	2,031	1,981	1,608	1,370	1,222	1,241	1,224	1,201	1,288	1,563	2,178	**18,954**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Consumption of Natural Gas
by End Use Sector
Total U.S.
Billion Cubic Feet

	Lease & Plant Fuel	Pipeline Fuel	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities	Total Delivered to Consumers	Total Consumption
January 1984	102	55	886	437	645	215	2,183	**2,340**
February	88	44	700	354	581	187	1,822	**1,954**
March	91	46	605	311	581	206	1,703	**1,840**
April	89	41	463	243	542	220	1,468	**1,598**
May	89	42	287	160	504	265	1,216	**1,347**
June	86	42	170	108	472	298	1,048	**1,176**
July	89	44	128	97	445	349	1,019	**1,152**
August	88	43	118	98	457	350	1,023	**1,154**
September	84	40	127	101	442	291	961	**1,085**
October	88	42	182	128	470	270	1,050	**1,180**
November	88	42	323	193	502	245	1,263	**1,393**
December	95	48	566	294	512	217	1,589	**1,732**
Total 1984	1,077	**529**	**4,555**	**2,524**	**6,153**	**3,113**	**16,345**	**17,951**
January 1985	91	54	743	372	591	226	1,932	**2,077**
February	84	46	837	412	554	203	2,006	**2,136**
March	83	42	566	290	522	207	1,585	**1,710**
April	79	39	397	206	484	234	1,321	**1,439**
May	78	40	212	128	447	236	1,023	**1,141**
June	75	38	157	100	420	282	959	**1,072**
July	77	40	130	96	433	337	996	**1,113**
August	77	39	119	93	434	355	1,001	**1,117**
September	75	37	129	98	435	275	937	**1,049**
October	78	39	190	125	478	250	1,043	**1,160**
November	79	39	306	180	502	230	1,218	**1,336**
December	91	51	647	333	602	210	1,792	**1,934**
Total 1985	**967**	**504**	**4,433**	**2,433**	**5,902**	**3,045**	**15,813**	**17,284**
January 1986	89	50	791	392	600	184	1,967	**2,106**
February	77	43	685	345	542	157	1,729	**1,849**
March	82	42	580	291	538	170	1,579	**1,703**
April	73	36	363	189	474	198	1,224	**1,333**
May	75	38	236	131	449	231	1,047	**1,160**
June	71	37	155	99	416	260	930	**1,038**
July	74	38	126	89	410	301	926	**1,038**
August	74	38	117	89	412	276	894	**1,006**
September	70	36	131	91	384	247	853	**959**
October	74	38	185	116	411	217	929	**1,041**
November	79	38	346	189	436	187	1,158	**1,275**
December	85	47	599	299	507	175	1,580	**1,712**
Total 1986	**923**	**481**	**4,314**	**2,320**	**5,579**	**2,603**	**14,816**	**16,220**

Consumption of Natural Gas
by End Use Sector
Total U.S.
Billion Cubic Feet

	Lease & Plant Fuel	Pipeline Fuel	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities	Total Delivered to Consumers	Total Consumption
January 1987	106	53	741	384	589	185	1,899	**2,058**
February	95	45	689	363	516	158	1,726	**1,866**
March	100	44	575	305	506	191	1,577	**1,721**
April	94	42	402	214	469	206	1,291	**1,427**
May	93	42	223	133	455	243	1,054	**1,189**
June	89	40	147	97	447	284	975	**1,104**
July	91	38	126	94	436	319	975	**1,104**
August	93	40	117	90	460	339	1,006	**1,139**
September	89	38	126	101	442	268	937	**1,064**
October	94	41	223	141	507	238	1,109	**1,244**
November	99	43	354	202	527	217	1,300	**1,442**
December	108	51	592	305	598	197	1,692	**1,851**
Total 1987	**1,151**	**517**	**4,315**	**2,429**	**5,952**	**2,845**	**15,541**	**17,209**
January 1988	102	63	853	441	617	167	2,078	**2,243**
February	93	55	755	405	605	170	1,935	**2,083**
March	97	53	597	327	600	204	1,728	**1,878**
April	88	46	401	224	508	199	1,332	**1,466**
May	91	49	258	155	486	240	1,139	**1,279**
June	86	47	152	112	462	280	1,006	**1,139**
July	87	49	123	101	459	328	1,011	**1,147**
August	88	49	114	106	495	344	1,059	**1,196**
September	83	47	125	108	491	233	957	**1,087**
October	91	49	232	151	524	182	1,089	**1,229**
November	92	51	390	222	543	151	1,306	**1,449**
December	97	56	630	319	592	137	1,678	**1,831**
Total 1988	**1,095**	**614**	**4,630**	**2,671**	**6,382**	**2,635**	**16,318**	**18,027**
January 1989	105	51	765	381	599	146	1,891	**2,047**
February	97	50	756	382	576	171	1,885	**2,032**
March	103	48	662	346	612	209	1,829	**1,980**
April	98	43	425	238	571	233	1,467	**1,608**
May	100	43	264	161	553	249	1,227	**1,370**
June	95	44	161	122	540	259	1,082	**1,221**
July	97	49	131	111	535	317	1,094	**1,240**
August	96	49	123	110	540	306	1,079	**1,224**
September	92	47	141	113	534	274	1,062	**1,201**
October	97	49	227	149	518	248	1,142	**1,288**
November	100	50	400	225	602	187	1,414	**1,564**
December	108	66	789	389	656	170	2,004	**2,178**
Total 1989	**1,188**	**589**	**4,844**	**2,727**	**6,836**	**2,769**	**17,178**	**18,953**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Consumption of Natural Gas
by End Use Sector
Total U.S.
Million Cubic Feet per Day

	Lease & Plant Fuel	Pipeline Fuel	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities	Total Delivered to Consumers	Total Consumption
January 1984	3,290.3	1,774.2	28,580.6	14,096.8	20,806.5	6,935.5	70,419.4	**75,483.9**
February	3,034.5	1,517.2	24,137.9	12,206.9	20,034.5	6,448.3	62,827.6	**67,379.3**
March	2,935.5	1,483.9	19,516.1	10,032.3	18,741.9	6,645.2	54,935.5	**59,354.8**
April	2,966.7	1,366.7	15,433.3	8,100.0	18,066.7	7,333.3	48,933.3	**53,266.7**
May	2,871.0	1,354.8	9,258.1	5,161.3	16,258.1	8,548.4	39,225.8	**43,451.6**
June	2,866.7	1,400.0	5,666.7	3,600.0	15,733.3	9,933.3	34,933.3	**39,200.0**
July	2,871.0	1,419.4	4,129.0	3,129.0	14,354.8	11,258.1	32,871.0	**37,161.3**
August	2,838.7	1,387.1	3,806.5	3,161.3	14,741.9	11,290.3	33,000.0	**37,225.8**
September	2,800.0	1,333.3	4,233.3	3,366.7	14,733.3	9,700.0	32,033.3	**36,166.7**
October	2,838.7	1,354.8	5,871.0	4,129.0	15,161.3	8,709.7	33,871.0	**38,064.5**
November	2,933.3	1,400.0	10,766.7	6,433.3	16,733.3	8,166.7	42,100.0	**46,433.3**
December	3,064.5	1,548.4	18,258.1	9,483.9	16,516.1	7,000.0	51,258.1	**55,871.0**
1984 Average	**2,942.6**	**1,445.0**	**12,471.4**	**6,908.4**	**16,823.5**	**8,497.4**	**44,700.7**	**49,088.2**
January 1985	2,935.5	1,741.9	23,967.7	12,000.0	19,064.5	7,290.3	62,322.6	**67,000.0**
February	3,000.0	1,642.9	29,892.9	14,714.3	19,785.7	7,250.0	71,642.9	**76,285.7**
March	2,677.4	1,354.8	18,258.1	9,354.8	16,838.7	6,677.4	51,129.0	**55,161.3**
April	2,633.3	1,300.0	13,233.3	6,866.7	16,133.3	7,800.0	44,033.3	**47,966.7**
May	2,516.1	1,290.3	6,838.7	4,129.0	14,419.4	7,612.9	33,000.0	**36,806.5**
June	2,500.0	1,266.7	5,233.3	3,333.3	14,000.0	9,400.0	31,966.7	**35,733.3**
July	2,483.9	1,290.3	4,193.5	3,096.8	13,967.7	10,871.0	32,129.0	**35,903.2**
August	2,483.9	1,258.1	3,838.7	3,000.0	14,000.0	11,451.[illegible]	32,290.3	**36,032.3**
September	2,500.0	1,233.3	4,300.0	3,266.7	14,500.0	9,166.7	31,233.3	**34,966.7**
October	2,516.1	1,258.1	6,129.0	4,032.3	15,419.4	8,064.5	33,645.2	**37,419.4**
November	2,633.3	1,300.0	10,200.0	6,000.0	16,733.3	7,666.7	40,600.0	**44,533.3**
December	2,935.5	1,645.2	20,871.0	10,741.9	19,419.4	6,774.2	57,806.5	**62,387.1**
1985 Average	**2,651.3**	**1,381.8**	**12,246.4**	**6,711.3**	**16,190.1**	**8,335.4**	**43,483.2**	**47,516.3**
January 1986	2,871.0	1,612.9	25,516.1	12,645.2	19,354.8	5,935.5	63,451.6	**67,935.5**
February	2,750.0	1,535.7	24,464.3	12,321.4	19,357.1	5,607.1	61,750.0	**66,035.7**
March	2,645.2	1,354.8	18,709.7	9,387.1	17,354.8	5,483.9	50,935.5	**54,935.5**
April	2,433.3	1,200.0	12,100.0	6,300.0	15,800.0	6,600.0	40,800.0	**44,433.3**
May	2,419.4	1,225.8	7,612.9	4,225.8	14,483.9	7,451.6	33,774.2	**37,419.4**
June	2,366.7	1,233.3	5,166.7	3,300.0	13,866.7	8,666.7	31,000.0	**34,600.0**
July	2,387.1	1,225.8	4,064.5	2,871.0	13,[illegible]25.8	9,709.7	29,871.0	**33,483.9**
August	2,387.1	1,225.8	3,774.2	2,871.0	13,[illegible]90.3	8,903.2	28,838.7	**32,451.6**
September	2,333.3	1,200.0	4,366.7	3,033.3	12,800.0	8,233.3	28,433.3	**31,966.7**
October	2,387.1	1,225.8	5,967.7	3,741.9	13,258.1	7,000.0	29,967.7	**33,580.6**
November	2,633.3	1,266.7	11,533.3	6,300.0	14,533.3	6,233.3	38,600.0	**42,500.0**
December	2,741.9	1,516.1	19,322.6	9,645.2	16,354.8	5,645.2	50,967.7	**55,225.8**
1986 Average	**2,529.6**	**1,318.6**	**11,883.2**	**6,386.8**	**15,306.6**	**7,122.5**	**40,699.1**	**44,547.3**

Consumption of Natural Gas
by End Use Sector
Total U.S.
Million Cubic Feet per Day

	Lease & Plant Fuel	Pipeline Fuel	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities	Total Delivered to Consumers	Total Consumption
January 1987	3,419.4	1,709.7	23,903.2	12,387.1	19,000.0	5,967.7	61,258.1	**66,387.1**
February	3,392.9	1,607.1	24,607.1	12,964.3	18,428.6	5,642.9	61,642.9	**66,642.9**
March	3,225.8	1,419.4	18,548.4	9,838.7	16,322.6	6,161.3	50,871.0	**55,516.1**
April	3,133.3	1,400.0	13,400.0	7,133.3	15,633.3	6,866.7	43,033.3	**47,566.7**
May	3,000.0	1,354.8	7,193.5	4,290.3	14,677.4	7,838.7	34,000.0	**38,354.8**
June	2,966.7	1,333.3	4,900.0	3,233.3	14,900.0	9,466.7	32,500.0	**36,800.0**
July	2,935.5	1,225.8	4,064.5	3,032.3	14,064.5	10,290.3	31,451.6	**35,612.9**
August	3,000.0	1,290.3	3,774.2	2,903.2	14,838.7	10,935.5	32,451.6	**36,741.9**
September	2,966.7	1,266.7	4,200.0	3,366.7	14,733.3	8,933.3	31,233.3	**35,466.7**
October	3,032.3	1,322.6	7,193.5	4,548.4	16,354.8	7,677.4	35,774.2	**40,129.0**
November	3,300.0	1,433.3	11,800.0	6,733.3	17,566.7	7,233.3	43,333.3	**48,066.7**
December	3,483.9	1,645.2	19,096.8	9,838.7	19,290.3	6,354.8	54,580.6	**59,709.7**
1987 Average	**3,154.7**	**1,417.4**	**11,890.1**	**6,689.1**	**16,317.5**	**7,780.7**	**42,677.5**	**47,249.5**
January 1988	3,290.3	2,032.3	27,516.1	14,225.8	19,903.2	5,387.1	67,032.3	**72,354.8**
February	3,206.9	1,896.6	26,034.5	13,965.5	20,862.1	5,862.1	66,724.1	**71,827.6**
March	3,129.0	1,709.7	19,258.1	10,548.4	19,354.8	6,580.6	55,741.9	**60,580.6**
April	2,933.3	1,533.3	13,366.7	7,466.7	16,933.3	6,633.3	44,400.0	**48,866.7**
May	2,935.5	1,580.6	8,322.6	5,000.0	15,677.4	7,741.9	36,741.9	**41,258.1**
June	2,866.7	1,566.7	5,066.7	3,733.3	15,400.0	9,333.3	33,533.3	**37,966.7**
July	2,806.5	1,580.6	3,967.7	3,258.1	14,806.5	10,580.6	32,612.9	**37,000.0**
August	2,838.7	1,580.6	3,677.4	3,419.4	15,967.7	11,096.8	34,161.3	**38,580.6**
September	2,766.7	1,566.7	4,166.7	3,600.0	16,366.7	7,766.7	31,900.0	**36,233.3**
October	2,935.5	1,580.6	7,483.9	4,871.0	16,903.2	5,871.0	35,129.0	**39,645.2**
November	3,066.7	1,700.0	13,000.0	7,400.0	18,100.0	5,033.3	43,533.3	**48,300.0**
December	3,129.0	1,806.5	20,322.6	10,290.3	19,096.8	4,419.4	54,129.0	**59,064.5**
1988 Average	**2,992.1**	**1,677.8**	**12,681.9**	**7,314.9**	**17,447.6**	**7,192.2**	**44,636.6**	**49,306.5**
January 1989	3,387.1	1,645.2	24,677.4	12,290.3	19,322.6	4,709.7	61,000.0	**66,032.3**
February	3,464.3	1,785.7	27,000.0	13,642.9	20,571.4	6,107.1	67,321.4	**72,571.4**
March	3,322.6	1,548.4	21,354.8	11,161.3	19,741.9	6,741.9	59,000.0	**63,871.0**
April	3,266.7	1,433.3	14,166.7	7,933.3	19,033.3	7,766.7	48,900.0	**53,600.0**
May	3,225.8	1,387.1	8,516.1	5,193.5	17,838.7	8,032.3	39,580.6	**44,193.5**
June	3,166.7	1,466.7	5,366.7	4,066.7	18,000.0	8,633.3	36,066.7	**40,700.0**
July	3,129.0	1,580.6	4,225.8	3,580.6	17,258.1	10,225.8	35,290.3	**40,000.0**
August	3,096.8	1,580.6	3,967.7	3,548.4	17,419.4	9,871.0	34,806.5	**39,483.9**
September	3,066.7	1,566.7	4,700.0	3,766.7	17,800.0	9,133.3	35,400.0	**40,033.3**
October	3,129.0	1,580.6	7,322.6	4,806.5	16,709.7	8,000.0	36,838.7	**41,548.4**
November	3,333.3	1,666.7	13,333.3	7,500.0	20,066.7	6,233.3	47,133.3	**52,133.3**
December	3,483.9	2,129.0	25,451.6	12,548.4	21,161.3	5,483.9	64,645.2	**70,258.1**
1989 Average	**3,256.0**	**1,614.2**	**13,340.2**	**7,503.2**	**18,743.6**	**7,578.2**	**47,165.2**	**52,035.4**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Natural Gas Consumption
Million cubic feet

	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	285,973	278,467	272,068	274,761	264,088	225,979	241,237	237,258	283,435
Alaska	67,706	74,658	63,073	62,874	84,751	90,121	116,278	145,025	157,236
Arizona	213,313	227,909	214,323	192,446	156,222	171,275	167,092	175,041	172,738
Arkansas	333,644	316,375	327,803	290,393	258,220	248,941	229,558	220,699	250,747
California	2,149,264	2,185,543	2,045,627	1,834,413	1,832,849	1,756,611	1,772,041	1,563,172	1,810,381
Colorado	289,369	309,703	324,007	313,056	307,772	302,284	282,215	267,838	292,272
Connecticut	61,434	64,008	62,609	66,343	64,011	65,855	64,068	65,191	67,957
Delaware	26,452	24,088	22,949	20,365	18,603	19,182	15,787	20,626	24,981
District of Columbia	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA	* NA
Florida	336,721	298,977	311,498	289,551	280,095	289,017	302,344	318,344	344,177
Georgia	342,579	331,143	348,089	330,339	326,559	261,320	264,665	278,272	312,299
Hawaii	NA	NA	NA	NA	NA	NA	NA	NA	NA
Idaho	50,096	56,630	56,045	53,057	60,451	47,156	45,537	44,210	54,237
Illinois	1,229,277	1,207,289	1,150,266	1,149,394	1,095,115	1,175,235	1,167,099	1,174,934	1,142,732
Indiana	566,996	576,948	542,300	531,872	477,341	425,221	398,268	440,955	504,185
Iowa	344,639	344,516	364,640	367,595	345,798	311,425	280,246	238,229	291,521
Kansas	606,989	628,109	604,460	587,013	498,727	515,197	506,910	519,346	584,236
Kentucky	244,360	255,208	245,472	228,003	207,539	245,967	219,521	212,913	218,689
Louisiana	1,883,924	1,939,762	2,009,859	2,008,364	1,788,588	2,043,705	2,190,848	2,249,172	1,978,382
Maine +	12,088	13,267	13,881	14,697	13,534	13,545	13,609	14,039	14,881
Maryland *	188,371	204,922	201,961	199,331	165,932	176,272	158,838	161,695	201,584
Massachusetts	156,451	160,280	155,547	155,268	153,967	156,247	160,343	160,503	156,459
Michigan	850,562	864,770	920,351	936,043	884,184	888,035	741,295	789,594	875,726
Minnesota	351,442	351,408	360,811	351,644	331,186	320,156	293,381	313,229	334,202
Mississippi	378,321	377,986	313,992	276,199	230,053	199,122	197,689	203,719	254,366
Missouri	429,105	425,215	426,807	409,884	369,620	380,258	366,970	358,905	347,257
Montana	88,271	84,322	90,230	79,909	79,520	74,371	70,956	72,649	69,805
Nebraska	223,674	224,562	229,632	222,807	218,834	198,634	188,804	163,051	170,013
Nevada	66,511	69,522	73,072	63,438	61,251	66,797	71,052	64,506	84,433
New Hampshire	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
New Jersey	326,768	321,288	301,566	275,050	244,102	321,535	247,120	228,843	260,579
New Mexico	269,368	287,993	256,811	257,436	240,260	278,976	229,813	213,698	211,182
New York	716,550	692,730	682,547	627,493	576,883	595,933	561,698	569,702	623,891
North Carolina	160,567	163,897	160,871	140,217	114,822	101,175	72,527	81,989	130,884
North Dakota	33,577	36,473	32,428	35,459	36,826	41,177	37,650	39,067	29,236
Ohio	1,087,126	1,147,804	1,104,156	1,086,651	956,876	1,005,927	847,497	929,593	898,029
Oklahoma	611,582	629,757	611,738	660,010	668,819	760,110	766,986	770,249	824,908
Oregon	100,897	110,360	107,961	98,051	109,898	92,500	72,521	86,140	93,707
Pennsylvania	802,113	828,961	783,297	715,548	653,742	713,518	668,337	673,770	740,818
Rhode Island	25,662	22,494	20,559	23,781	23,129	20,697	25,631	23,042	27,219
South Carolina	156,263	144,120	153,147	131,991	122,949	148,989	138,585	117,573	119,319
South Dakota	31,832	34,077	31,221	32,076	32,534	39,207	36,097	35,423	25,724
Tennessee	265,011	277,275	293,620	260,171	217,328	212,326	202,135	184,048	226,477
Texas	4,364,728	4,412,636	4,621,378	4,463,488	3,944,377	3,975,307	4,143,023	4,211,432	4,001,355
Utah	121,403	124,093	123,106	121,015	124,160	146,205	106,315	118,513	126,047
Vermont	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA	+ NA
Virginia	144,014	155,658	152,848	143,650	121,320	123,509	118,020	134,144	134,088
Washington	156,663	170,448	197,861	182,723	164,334	148,781	142,657	127,280	158,515
West Virginia	178,380	199,141	186,316	182,370	158,435	150,723	144,535	151,839	148,538
Wisconsin	348,132	320,826	367,961	381,148	364,801	315,154	349,160	370,726	367,517
Wyoming	115,286	125,834	108,599	95,746	87,188	86,819	83,623	87,292	93,797
Total U.S.	**21,793,454**	**22,101,452**	**22,049,363**	**21,223,133**	**19,537,593**	**19,946,496**	**19,520,581**	**19,627,478**	**20,240,761**

U.S. Natural Gas Consumption
Million cubic feet

	1980	1981	1982	1983	1984	1985	1986	1987	1988
Alabama	269,240	271,280	240,957	221,583	231,997	219,455	202,923	207,757	236,356
Alaska	153,345	121,727	237,881	239,200	257,525	212,765	206,452	249,269	287,648
Arizona	165,850	182,533	135,031	115,233	121,149	130,776	101,249	117,187	124,366
Arkansas	273,720	264,787	226,941	206,966	210,021	195,633	199,197	169,626	216,836
California	1,807,731	1,858,178	1,682,718	1,535,031	1,669,705	1,846,078	1,531,323	1,934,909	1,803,042
Colorado	256,363	211,780	224,991	213,812	229,647	218,942	197,847	210,147	227,584
Connecticut	72,583	76,829	78,246	74,427	81,139	78,215	78,903	91,842	88,130
Delaware	29,797	30,643	27,833	34,884	42,962	38,493	33,009	36,703	29,258
District of Columbia	27,868	29,023	29,280	29,340	29,449	28,902	29,586	30,988	32,719
Florida	316,588	337,557	324,807	306,307	303,309	289,706	288,541	300,339	293,433
Georgia	315,201	316,613	294,651	295,531	307,323	281,805	279,082	303,420	323,033
Hawaii	3,131	2,899	2,804	2,669	2,375	2,483	2,463	2,610	2,614
Idaho	49,047	44,960	39,971	35,179	38,604	39,194	34,721	37,147	40,736
Illinois	1,089,720	1,061,957	994,179	938,340	1,032,779	962,039	924,280	873,436	965,388
Indiana	489,254	496,349	467,842	426,770	452,284	432,958	395,181	412,588	456,812
Iowa	269,581	253,231	237,089	220,517	234,846	225,903	206,902	203,064	238,897
Kansas	488,338	428,130	400,920	346,204	363,671	355,467	312,680	328,064	352,924
Kentucky	202,284	199,445	188,536	174,306	189,255	172,510	167,173	171,910	184,078
Louisiana	1,794,007	1,781,716	1,556,052	1,412,983	1,594,346	1,386,365	1,438,563	1,500,679	1,445,703
Maine +	2,268	2,326	2,691	2,424	2,449	2,531	2,473	2,641	3,197
Maryland *	160,244	175,289	157,990	145,628	158,989	150,838	152,542	168,553	172,901
Massachusetts	182,587	184,575	195,107	191,815	208,758	218,884	186,350	226,820	210,975
Michigan	865,137	800,873	748,141	696,455	718,103	709,232	671,323	657,396	749,189
Minnesota	285,846	266,282	262,039	240,777	255,638	257,480	244,772	239,990	283,840
Mississippi	263,530	242,987	269,131	237,859	268,560	226,663	214,824	208,582	212,797
Missouri	318,450	283,514	279,449	258,560	264,954	259,900	41,148	231,941	252,923
Montana	60,724	52,452	52,208	46,249	46,864	47,265	241,660	38,786	41,825
Nebraska	163,079	138,322	138,238	129,290	134,465	126,135	104,732	109,378	121,979
Nevada	58,454	73,182	46,627	41,926	42,256	39,200	33,790	41,333	48,226
New Hampshire	9,474	10,220	10,078	9,655	10,531	10,629	10,291	11,970	13,009
New Jersey	339,825	390,121	375,660	405,387	418,220	379,230	353,465	421,400	414,279
New Mexico	221,793	196,212	204,163	178,698	161,850	151,128	134,198	153,247	173,653
New York	737,443	760,463	775,268	720,398	790,011	762,621	728,802	778,558	790,218
North Carolina	153,316	152,496	142,129	136,579	143,854	133,825	135,819	148,653	151,990
North Dakota	22,848	34,445	28,370	26,126	30,153	28,096	25,471	24,828	28,614
Ohio	896,983	870,341	813,519	747,268	785,297	733,116	716,778	714,929	805,309
Oklahoma	722,318	670,971	676,762	628,950	652,953	587,407	554,125	596,092	588,796
Oregon	78,703	75,562	70,824	67,045	78,643	83,002	70,973	80,249	87,163
Pennsylvania	775,715	784,691	694,639	643,952	676,721	625,607	609,953	636,157	668,661
Rhode Island	27,630	29,202	27,874	29,044	31,689	29,874	26,354	35,930	30,787
South Carolina	142,228	141,924	98,100	101,632	108,429	97,469	98,549	105,661	112,309
South Dakota	24,078	22,056	25,089	23,326	24,592	25,202	23,292	21,087	24,227
Tennessee	229,661	223,529	207,161	194,610	206,353	190,266	188,000	200,571	214,244
Texas	4,091,099	3,926,687	3,394,404	3,241,515	3,432,624	3,385,715	3,185,509	3,303,281	3,530,241
Utah	115,092	102,239	117,706	110,185	115,578	115,117	105,175	98,987	108,954
Vermont	3,991	4,383	4,370	4,359	4,868	4,998	5,019	5,181	5,551
Virginia	158,479	151,737	150,964	142,944	143,582	139,458	141,024	158,897	163,529
Washington	128,770	124,942	108,653	107,193	126,287	134,599	118,360	131,746	146,778
West Virginia	143,047	148,527	130,029	115,813	124,368	117,168	112,573	155,208	122,343
Wisconsin	351,857	324,611	312,007	299,099	305,076	308,365	278,848	279,366	317,146
Wyoming	68,975	69,056	90,923	80,871	85,423	82,172	75,029	81,704	82,363
Total U.S.	**19,877,292**	**19,403,858**	**18,001,055**	**16,834,914**	**17,950,528**	**17,280,943**	**16,221,296**	**17,250,807**	**18,027,573**

* Maryland includes District of Columbia through 1979.
+ Maine includes New Hampshire and Vermont through 1979.

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration.

Worldwide Natural Gas Production
By Country
Billions of cubic feet

-	1971	1972	1973	1974	1975	1976	1977	1978	1979
United States	**22,659.3**	**23,122.9**	**22,854.0**	**22,457.1**	**20,829.0**	**19,992.8**	**20,337.5**	**20,415.1**	**19,999.4**
Canada	**2,545.2**	**2,861.3**	**3,241.4**	**3,341.7**	**3,422.2**	**3,156.7**	**2,301.4**	**3,133.1**	**3,646.5**
Argentina	192.7	226.5	241.6	278.4	273.4	280.2	250.0	254.3	241.7
Bolivia	111.9	107.8	151.5	152.2	111.9	143.5	118.3	130.8	122.5
Brazil	43.6	41.2	48.1	47.3	56.2	57.2	61.0	85.2	77.0
Chile	233.4	290.7	238.2	212.3	138.9	175.4	208.9	320.7	306.4
Colombia	83.6	117.6	126.2	105.8	73.7	74.8	109.7	127.4	116.3
Ecuador*	3.2	4.0	6.4	5.3	6.0	14.8	21.0	99.9	159.4
Mexico	650.4	686.6	686.2	686.4	771.5	790.8	745.3	887.5	974.9
Peru	0.6	1.1	65.9	73.3	44.5	25.5	59.3	66.4	41.2
Trinidad	117.4	125.2	137.4	65.0	50.8	85.8	150.0	159.9	164.6
Venezuela*	1,439.1	1,667.9	1,741.4	1,066.2	405.0	396.0	392.8	401.4	406.0
Other Latin America	NA	NA	NA	NA	NA	NA	NA	NA	NA
Latin America	**2,875.9**	**3,268.6**	**3,442.9**	**2,692.2**	**1,931.9**	**2,044.0**	**2,116.3**	**2,533.5**	**2,610.0**
Western Hemisphere	**28,080.4**	**29,252.8**	**29,538.3**	**28,491.0**	**26,183.1**	**25,193.5**	**24,755.2**	**26,081.7**	**26,255.9**
Austria	67.7	72.3	72.2	87.6	70.7	77.8	80.8	65.2	79.2
Denmark+	NA	NA	NA	NA	NA	NA	NA	NA	NA
France	263.2	268.6	258.5	303.6	267.2	250.7	256.8	231.6	239.2
Germany, Fed. Rep.	510.0	583.2	590.1	674.1	690.4	544.0	912.7	602.3	709.3
Greece	NA	NA	NA	NA	NA	NA	NA	NA	NA
Italy	440.8	482.0	486.9	572.2	532.9	562.1	448.6	743.3	533.6
Netherlands	1,690.4	2,050.8	2,589.7	2,867.5	3,198.7	3,542.8	2,932.5	1,653.5	2,717.8
Norway+	NA	NA	NA	NA	NA	NA	59.7	351.8	419.9
Spain	NA	NA	NA	NA	NA	NA	8.6	24.5	25.6
Turkey	NA	NA	NA	NA	NA	NA	12.8	36.4	21.8
United Kingdom+	589.1	836.6	1,151.6	1,207.1	1,231.1	1,202.3	1,499.9	1,262.4	1,965.7
Western Europe	**3,561.2**	**4,293.5**	**5,149.0**	**5,712.1**	**5,991.0**	**6,179.7**	**6,212.4**	**4,971.0**	**6,712.1**
Algeria*	NA	NA	NA	NA	NA	173.4	284.5	328.7	338.5
Angola/Cabinda	NA	NA	NA	NA	NA	41.2	81.6	62.2	17.0
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	NA
Congo	NA	NA	NA	NA	NA	3.1	7.1	3.9	0.2
Egypt	NA	NA	NA	NA	NA	49.0	93.0	105.6	90.4
Gabon*	NA	NA	NA	NA	NA	0.8	2.9	2.9	3.5
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lybia*	NA	NA	NA	NA	NA	262.2	488.6	364.0	162.0
Nigeria*	NA	NA	NA	NA	NA	329.6	717.4	586.6	365.6
Tunisia	NA	NA	NA	NA	NA	83.1	76.0	92.7	85.0
Zaire	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Africa	NA	NA	NA	NA	NA	8.4	29.6	11.4	2.2
Africa	**NA**	**NA**	**NA**	**NA**	**NA**	**950.8**	**1,780.7**	**1,558.0**	**1,064.4**

Worldwide Natural Gas Production
By Country
Billions of cubic feet

	1971	1972	1973	1974	1975	1976	1977	1978	1979
Bahrain	16.0	8.6	20.3	3.3	3.1	2.2	103.3	116.2	65.0
Iran*	1,345.1	1,429.7	1,693.8	1,484.5	1,493.6	1,699.8	1,756.1	1,746.9	913.3
Iraq*	18.8	3.4	155.3	129.3	122.2	113.8	141.0	115.7	48.8
Kuwait*	NA	128.4	47.0	1.6	175.2	185.7	186.1	188.0	205.5
Neutral Zone*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oman	NA	NA	NA	NA	NA	NA	129.5	107.2	35.9
Qatar*	NA	0.8	7.3	1.7	5.3	50.4	70.5	46.7	26.9
Saudi Arabia*	NA	NA	NA	NA	NA	NA	121.0	102.2	208.6
Syria	NA	NA	NA	NA	NA	NA	41.9	56.1	33.1
United Arab Emirates*	NA	NA	NA	NA	NA	NA	NA	NA	NA
Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Middle East	3.1	4.3	3.1	4.2	2.3	1.9	2.3	1.5	2.1
Middle East	1,383.8	**1,575.2**	**1,926.8**	**1,624.6**	**1,801.7**	**2,053.8**	**2,557.7**	**2,480.5**	**1,539.2**
Australia	68.1	110.9	149.3	160.1	182.8	200.0	236.7	239.2	254.1
Brunei	NA	NA	NA	NA	NA	NA	NA	NA	NA
India	16.0	35.9	18.5	18.5	36.0	41.5	51.9	54.9	55.1
Indonesia*	113.2	137.4	129.1	166.6	202.6	248.6	351.9	565.8	816.3
Japan	85.4	91.0	87.2	95.5	95.6	97.7	73.6	97.5	86.6
Malaysia	NA	NA	NA	NA	NA	NA	NA	NA	NA
Myanmar (Burma)	2.2	3.6	6.7	6.1	4.7	5.0	5.9	5.2	5.4
New Zealand	1.9	0.4	0.0	1.1	26.5	53.3	97.2	61.8	42.1
Pakistan	121.1	129.0	128.1	141.9	155.3	145.6	170.4	163.0	180.5
Thailand	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Asia-Pacific	85.2	107.2	98.6	128.3	83.4	92.3	159.6	113.0	77.0
Asia-Pacific	**493.1**	**615.4**	**617.5**	**718.1**	**786.9**	**884.0**	1,147.2	1,300.4	1,517.1
Eastern Hemisphere	5,438.1	6,484.1	7,693.3	**8,054.8**	**8,579.6**	10,068.3	11,698.0	10,309.9	10,832.8
Total Non-Communist	33,518.5	35,736.9	37,231.6	**36,545.8**	**34,762.7**	35,261.8	36,453.2	36,391.6	37,088.7
China	149.5	140.1	158.1	187.5	368.4	414.0	464.4	517.2	526.8
Romania	773.9	1,169.6	1,302.5	935.7	935.0	854.6	1,005.5	1,211.6	1,210.5
U.S.S.R.	7,470.4	7,828.0	8,291.5	9,154.5	10,350.2	11,330.4	12,497.6	13,207.9	14,458.6
Other Communist	216.3	316.5	631.1	500.8	522.2	741.0	812.1	975.3	1,181.1
Communist	8,610.1	9,454.2	10,383.2	10,778.5	12,175.8	13,340.0	14,779.6	15,912.0	17,377.0
Total World	42,128.6	45,191.1	47,614.8	47,324.3	**46,938.5**	48,601.8	51,232.8	52,303.6	54,465.7
OPEC	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
North Sea	NA	NA	NA	NA	NA	NA	NA	NA	NA

Worldwide Natural Gas Production
By Country
Billions of cubic feet

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
United States	20,267.6	19,595.8	18,904.5	17,072.0	18,093.0	17,611.0	16,906.0	17,004.0	17,458.0	17,632.0
Canada	2,934.9	2,623.0	2,629.1	2,429.2	2,600.0	3,196.3	3,406.4	3,215.5	3,915.5	4,195.7
Argentina	298.7	348.3	383.4	553.7	652.8	672.9	663.1	659.0	739.7	825.7
Bolivia	128.1	151[illegible]	132.2	98.5	91.8	87.8	98.5	98.2	104.2	101.0
Brazil	84.7	96[illegible]	106.2	142.2	172.9	193.3	200.6	203.7	198.5	113.9
Chile	113.5	140[illegible]	178.5	169.8	173.8	208.5	213.4	70.7	56.6	43.8
Colombia	127.8	114.0	105.9	168.5	189.2	185.1	183.3	178.3	173.5	168.1
Ecuador*	101.8	89.0	8.2	[illegible].2	16.8	15.6	2.6	2.3	3.5	3.6
Mexico	1,190.5	1,485.4	1,544.8	1,477.4	1,373.3	1,312.2	1,252.4	1,277.4	1,308.5	1,307.4
Peru	40.4	24.8	29.6	33.6	35.4	44.4	45.0	46.0	46.1	46.0
Trinidad	188.6	192.0	129.7	103.0	121.9	114.7	121.3	132.7	150.2	176.3
Venezuela*	518.2	602.0	576.3	559.2	609.6	609.6	615.3	681.7	722.9	775.1
Other Latin America	NA	NA	NA	NA	1.1	1.2	1.2	1.2	0.9	1.1
Latin America	2,792.3	3,244.2	3,194.8	3,314.1	3,438.6	3,445.3	3,396.7	3,351.2	3,504.6	3,562.0
Western Hemisphere	25,994.8	25,463.0	24,728.4	22,815.3	24,131.6	24,252.6	23,709.1	23,570.7	24,878.1	25,389.7
Austria	60.6	89.1	48.9	40.2	44.8	40.8	39.6	40.3	43.8	45.0
Denmark+	NA	NA	NA	19.0	21.4	39.7	60.2	85.5	84.5	100.3
France	264.4	275.2	332.6	289.3	373.4	263.7	149.7	136.7	113.8	108.8
Germany, Fed. Rep.	738.6	635.9	591.3	600.2	674.3	608.0	553.7	659.1	551.7	567.1
Greece	NA	NA	NA	NA	1.7	1.3	1.9	3.5	3.3	3.1
Italy	524.6	500.0	500.9	456.9	506.8	489.1	527.3	695.9	703.7	707.4
Netherlands	2,799.6	3,053.8	2,713.2	2,697.2	2,700.7	2,916.4	2,623.3	2,731.2	2,412.9	2,581.1
Norway+	705.2	923.7	858.4	858.3	922.6	904.2	902.6	985.6	1,003.5	1,014.8
Spain	12.6	11.4	12.0	12.0	8.0	10.1	12.7	25.9	34.9	52.4
Turkey	12.0	12.0	7.1	10.2	37.6	51.8	16.4	13.1	3.7	4.4
United Kingdom+	2,136.1	1,427.2	1,293.1	1,451.8	1,405.2	1,502.1	1,568.2	1,711.2	1,706.2	1,560.1
Western Europe	7,253.7	6,928.3	6,357.5	6,435.1	6,696.5	6,827.2	6,455.6	7,088.0	6,662.0	6,744.5
Algeria*	517.0	1,148.8	793.0	706.8	810.0	1,300.0	1,238.3	1,417.2	1,542.5	1,576.4
Angola/Cabinda	1.2	7.3	9.9	59.1	78.4	12.0	8.0	7.2	7.8	15.1
Cameroon	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0
Congo	NA	NA	NA	NA	0.2	1.2	1.1	0.0	0.0	0.0
Egypt	31.0	29.0	65.8	103.0	108.0	132.0	157.5	195.2	197.3	225.8
Gabon*	7.1	4.1	3.8	4.8	[illegible].8	8.1	2.4	2.4	2.4	3.2
Ivory Coast	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0
Lybia*	1[illegible]2.8	674.7	204.1	98.8	150.0	158.0	165.6	200.7	198.0	182.0
Nigeria*	187.6	66.0	44.4	131.8	157.0	88.0	72.8	94.5	126.0	134.6
Tunisia	6.0	9.3	15.0	16.8	18.0	16.4	15.4	13.8	13.1	13.0
Zaire	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0
Other Africa	2.0	7.6	7.1	3.6	3.6	5.0	2.6	2.0	1.9	2.6
Africa	884.7	1,946.8	1,143.1	1,124.7	1,330.0	1,720.7	1,663.7	1,933.0	2,089.0	2,152.7

Worldwide Natural Gas Production
By Country
Billions of cubic feet

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Bahrain	90.0	172.9	179.3	193.8	194.3	226.3	215.7	175.6	184.9	193.8
Iran*	289.0	53.0	269.1	498.0	460.0	440.0	489.3	647.6	619.9	793.9
Iraq*	18.0	71.0	38.3	20.1	18.5	21.6	21.0	46.2	110.4	200.8
Kuwait*	291.3	339.9	219.4	144.7	144.0	144.0	144.4	162.1	174.6	222.8
Neutral Zone*	NA	NA	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0
Oman	12.0	12.0	49.1	86.4	142.0	80.0	48.2	62.4	73.2	80.4
Qatar*	38.2	205.0	168.9	87.1	98.0	200.0	206.2	165.6	204.2	256.3
Saudi Arabia*	310.2	435.0	493.1	384.2	386.0	232.0	328.7	802.5	899.3	1,079.8
Syria	17.0	13.0	9.2	8.4	8.4	6.0	4.8	8.8	22.9	24.5
United Arab Emirates	139.3	227.9	308.0	203.7	265.0	316.0	362.1	574.3	600.0	790.7
Yemen	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0
Other Middle East	1.2	1.3	7.2	13.1	10.4	2.4	2.4	2.1	1.0	1.3
Middle East	**1,206.2**	**1,531.0**	**1,741.6**	**1,639.5**	**1,726.6**	**1,668.3**	**1,822.8**	**2,647.2**	**2,890.4**	**3,644.3**
Australia	275.3	377.3	411.5	417.2	447.7	476.3	520.7	533.7	546.7	615.9
Brunei	292.0	303.0	321.5	315.5	313.0	306.0	274.8	289.1	307.9	317.6
India	74.9	47.3	83.4	102.9	102.5	110.6	212.9	269.1	312.2	372.3
Indonesia*	1,028.4	1,075.0	865.6	488.0	596.0	944.0	1,153.3	1,220.3	1,223.7	1,345.7
Japan	90.9	112.1	83.4	73.7	74.3	79.0	74.3	76.7	68.3	63.7
Malaysia	36.4	47.6	27.3	45.2	60.0	171.2	218.8	460.9	464.8	524.6
Myanmar (Burma)	12.2	12.0	14.8	16.8	17.0	21.6	23.8	31.7	32.0	34.5
New Zealand	45.0	55.2	103.3	112.3	135.0	170.9	191.7	190.6	189.0	174.6
Pakistan	352.4	600.0	335.5	340.3	354.1	355.7	395.3	420.3	441.7	439.8
Thailand	NA	NA	NA	54.2	78.3	121.1	114.5	162.1	193.2	187.1
Other Asia-Pacific	112.8	137.0	182.4	218.2	207.0	148.1	137.0	135.7	230.8	301.8
Asia-Pacific	**2,320.3**	**2,766.5**	**2,428.7**	**2,184.3**	**2,384.9**	**2,904.5**	**3,317.1**	**3,790.2**	**4,010.3**	**4,377.6**
Eastern Hemisphere	**11,664.9**	**13,172.6**	**11,670.9**	**11,383.6**	**12,138.0**	**13,120.7**	**13,259.2**	**15,458.4**	**15,651.7**	**16,919.1**
Total Non-Communist	**37,659.7**	**38,635.6**	**36,399.3**	**34,198.9**	**36,269.6**	**37,373.3**	**36,968.3**	**39,029.1**	**40,529.8**	**42,308.8**
China	525.6	528.0	531.6	554.4	596.4	652.8	682.8	723.9	715.3	580.1
Romania	1,176.4	1,440.0	1,157.2	1,183.9	1,206.0	1,272.0	1,210.2	1,267.8	1,318.8	1,236.6
U.S.S.R.	15,298.3	16,325.1	17,720.6	18,963.1	20,714.0	22,701.4	24,272.3	25,672.1	27,300.8	28,223.7
Other Communist	1,069.0	890.0	946.0	1,032.3	900.0	940.0	1,016.2	1,072.2	1,087.3	1,054.1
Communist	**18,069.3**	**19,183.1**	**20,355.4**	**21,733.7**	**23,416.4**	**25,566.2**	**27,181.5**	**28,736.0**	**30,422.2**	**31,094.5**
Total World	**55,729.0**	**57,818.7**	**56,754.7**	**55,932.6**	**59,686.0**	**62,939.5**	**64,149.8**	**67,765.1**	**70,952.0**	**73,403.3**
OPEC	**3,578.9**	**4,991.4**	**3,992.2**	**3,335.4**	**3,715.7**	**4,476.9**	**4,802.0**	**6,017.4**	**6,427.4**	**7,364.9**
North Sea	NA	NA	NA	2,329.1	2,349.2	2,446.0	2,531.0	2,782.3	2,794.2	2,675.2

* OPEC member
+ North Sea

Data from Oil & Gas Journal Energy Database
Source: Oil & Gas Journal

Worldwide Natural Gas Production
Non-Communist, Total World
Billions of cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1974													
Non-Communist	3,318.2	3,355.6	3,056.4	3,066.8	2,948.1	2,856.6	2,936.5	2,896.7	3,013.2	2,956.5	3,050.0	3,091.2	**36,545.8**
Total World	4,200.2	4,218.0	3,963.5	3,925.6	3,805.4	3,705.3	3,794.4	3,776.4	3,929.3	3,897.1	3,995.0	4,114.1	**47,324.3**
1975													
Non-Communist	2,818.5	2,939.8	2,958.4	2,966.9	3,043.9	2,944.1	3,023.8	2,783.9	2,856.9	2,783.5	2,838.1	2,804.9	**34,762.7**
Total World	3,830.4	3,962.9	3,977.9	3,977.9	4,055.4	3,922.4	4,005.0	3,750.2	3,845.3	3,785.8	3,900.2	3,925.1	**46,938.5**
1976													
Non-Communist	2,938.5	2,926.0	3,041.3	3,015.2	2,949.6	3,071.3	3,004.8	2,993.1	2,853.0	2,825.5	2,829.7	2,813.8	**35,261.8**
Total World	4,063.3	4,011.3	4,161.6	4,094.8	4,033.1	4,156.3	4,106.8	4,093.4	3,933.4	3,979.6	3,974.4	3,993.8	**48,601.8**
1977													
Non-Communist	3,069.6	3,102.8	3,147.2	3,134.2	3,120.2	3,019.0	2,865.7	2,781.8	2,851.7	2,969.7	3,171.0	3,220.3	**36,453.2**
Total World	4,300.6	4,245.6	4,284.0	4,349.7	4,281.8	4,158.2	4,049.3	3,981.4	4,055.6	4,350.1	4,558.5	4,618.0	**51,232.8**
1978													
Non-Communist	3,338.2	3,443.4	3,182.4	2,996.6	2,869.3	2,894.8	2,917.5	2,785.4	3,205.0	2,902.7	2,924.3	2,932.0	**36,391.6**
Total World	4,683.6	4,790.1	4,528.8	4,297.9	4,176.2	4,156.8	4,212.0	4,082.1	4,447.4	4,281.9	4,291.0	4,355.8	**52,303.6**
1979													
Non-Communist	2,995.7	3,091.9	3,179.2	3,342.2	3,088.9	2,919.1	3,167.5	3,176.1	3,032.1	3,034.8	3,041.1	3,020.1	**37,088.7**
Total World	4,452.5	4,526.2	4,627.0	4,746.5	4,498.2	4,313.6	4,582.5	4,594.7	4,456.2	4,543.7	4,544.5	4,580.1	**54,465.7**
1980													
Non-Communist	3,186.4	3,216.8	3,142.5	3,164.3	3,165.4	3,237.3	3,227.6	3,057.2	3,184.5	3,128.4	2,967.2	2,982.1	**37,659.7**
Total World	4,757.7	4,712.5	4,699.9	4,661.7	4,673.9	4,634.0	4,679.0	4,534.9	4,672.8	4,615.2	4,509.8	4,577.6	**55,729.0**
1981													
Non-Communist	3,295.2	3,275.2	3,316.2	3,341.0	3,396.0	3,404.0	3,391.0	3,099.0	3,096.0	2,996.0	2,992.0	3,034.0	**38,635.6**
Total World	4,948.3	4,807.2	4,969.2	4,920.0	4,943.0	4,916.0	4,902.0	4,674.0	4,671.0	4,667.0	4,663.0	4,738.0	**57,818.7**
1982													
Non-Communist	3,381.0	3,241.3	3,492.4	3,205.2	3,059.6	2,832.7	2,761.1	2,741.6	2,668.7	2,845.0	2,998.4	3,172.3	**36,399.3**
Total World	5,102.3	4,838.6	5,238.2	4,859.2	4,734.8	4,463.1	4,398.6	4,396.7	4,334.4	4,609.5	4,755.0	5,024.3	**56,754.7**
1983													
Non-Communist	3,169.0	2,969.9	3,092.6	2,854.9	2,779.5	2,538.1	2,524.0	2,525.2	2,581.4	2,906.4	2,971.4	3,286.5	**34,198.9**
Total World	5,032.5	4,676.9	4,980.7	4,613.4	4,586.4	4,286.0	4,274.5	4,300.4	4,294.0	4,791.0	4,841.8	5,255.0	**55,932.6**
1984													
Non-Communist	3,377.9	3,233.0	3,265.4	2,991.2	2,881.2	2,746.9	2,777.0	2,756.1	2,781.5	2,978.3	3,091.4	3,389.7	**36,269.6**
Total World	5,350.0	5,106.2	5,248.0	4,896.2	4,803.8	4,595.4	4,671.4	4,678.7	4,700.6	5,024.5	5,122.9	5,488.3	**59,686.0**
1985													
Non-Communist	3,633.3	3,251.2	3,380.1	3,070.2	3,055.3	2,849.1	2,815.9	2,782.2	2,809.4	3,031.0	3,287.7	3,407.9	**37,373.3**
Total World	5,796.6	5,259.2	5,554.0	5,155.8	5,191.8	4,858.5	4,885.3	4,872.8	4,924.7	5,266.3	5,484.8	5,689.7	**62,939.5**
1986													
Non-Communist	3,506.1	3,314.3	3,326.3	2,992.8	2,902.9	2,765.6	2,785.1	2,776.7	2,777.5	2,991.6	3,236.3	3,593.1	**36,968.3**
Total World	5,822.4	5,450.6	5,685.0	5,217.4	5,148.6	4,912.5	4,985.0	4,987.1	4,995.0	5,336.2	5,577.2	6,032.8	**64,149.8**
1987													
Non-Communist	3,761.2	3,283.7	3,480.8	3,118.1	3,070.2	2,934.2	2,986.1	3,013.4	2,975.2	3,244.5	3,433.0	3,728.7	**39,029.1**
Total World	6,237.0	5,568.8	5,946.0	5,456.2	5,443.6	5,201.6	5,288.9	5,316.2	5,313.3	5,722.9	5,946.7	6,323.9	**67,765.1**
1988													
Non-Communist	3,659.9	3,451.7	3,543.4	3,278.6	3,139.5	3,056.1	3,171.8	3,189.5	3,117.9	3,421.6	3,644.5	3,855.4	**40,529.9**
Total World	6,293.9	5,920.4	6,173.9	5,759.2	5,678.9	5,458.5	5,555.1	5,643.4	5,563.2	6,043.0	6,295.1	6,567.5	**70,952.1**
1989													
Non-Communist	3,865.3	3,524.2	3,668.4	3,468.1	3,332.3	3,214.2	3,272.9	3,320.3	3,272.1	3,554.1	3,765.9	4,051.0	**42,308.8**
Total World	6,639.7	6,063.0	6,323.8	6,056.9	5,914.6	5,626.4	5,712.8	5,831.2	5,696.6	6,286.0	6,474.4	6,777.9	**73,403.3**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Worldwide Natural Gas Consumption
Billions of cubic feet

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
United States	21,167.3	20,888.7	20,409.4	18,951.0	17,775.3	18,955.1	18,266.9	17,111.7	18,172.7	19,000.2	19,975.2
Canada	2,052.8	2,020.0	1,958.6	2,003.7	1,938.1	1,958.6	1,835.7	1,675.9	1,688.2	2,163.4	2,200.3
North America	23,220.1	22,908.7	22,368.0	20,954.7	19,713.4	20,913.7	20,102.6	18,787.6	19,860.9	21,163.6	22,175.5
Latin America	2,011.9	2,204.4	2,286.3	2,458.4	2,585.4	2,638.6	2,880.3	2,929.5	3,036.0	3,101.5	3,294.1
Austria	176.6	172.5	160.2	156.1	156.1	172.5	184.8	180.7	188.9	180.7	188.9
Belgium & Luxembourg	422.4	422.4	389.6	320.0	336.4	348.7	344.6	311.8	348.7	344.6	381.4
Denmark	NA	NA	NA	NA	NA	4.5	25.0	41.4	53.7	66.0	70.1
Finland	33.2	33.2	25.0	25.0	25.0	29.1	33.2	41.4	57.8	57.8	78.3
France	954.9	967.2	1,004.1	983.6	909.9	963.1	954.9	991.8	1,024.6	967.2	1,000.0
Greece	NA	NA	NA	NA	NA	4.5	4.5	4.5	4.5	4.5	4.5
Ireland	12.7	20.9	37.3	57.8	66.0	70.1	74.2	45.5	41.4	49.6	57.8
Italy	938.6	938.6	934.5	901.7	926.3	1,086.0	1,114.7	1,184.4	1,319.5	1,397.4	1,516.2
Netherlands	1,356.4	1,241.7	1,229.4	1,245.8	1,208.9	1,278.6	1,331.8	1,340.0	1,376.9	1,254.0	1,262.2
Spain	57.8	74.2	86.5	94.7	102.9	82.4	86.5	102.9	111.1	143.8	184.8
Sweden	NA	NA	NA	NA	NA	NA	4.5	8.6	12.7	16.8	16.8
Switzerland	33.2	33.2	33.2	33.2	37.3	41.4	41.4	37.3	37.3	45.5	53.7
Turkey	NA	NA	NA	NA	NA	NA	NA	12.7	8.6	12.7	12.7
United Kingdom	1,716.9	1,696.4	1,737.4	1,729.2	1,802.9	1,843.9	1,983.2	2,015.9	2,069.2	1,962.7	1,839.8
West Germany	1,893.1	1,819.3	1,696.4	1,557.1	1,602.2	1,684.1	1,684.1	1,647.3	1,815.2	1,790.6	1,839.8
Western Europe	7,595.8	7,419.6	7,333.6	7,104.2	7,173.9	7,608.9	7,867.4	7,966.2	8,470.1	8,293.9	8,507.0
USSR	12,576.8	12,961.9	13,728.0	14,817.6	15,886.8	17,337.0	18,992.0	20,048.9	21,159.1	22,486.4	23,076.3
Eastern Europe	2,437.9	2,626.3	2,700.1	2,761.5	2,880.3	3,040.1	3,101.5	3,257.2	3,285.9	3,134.3	3,158.9
USSR & Eastern Europe	15,014.7	15,588.2	16,428.1	17,579.1	18,767.1	20,377.1	22,093.5	23,306.1	24,445.0	25,620.7	26,235.2
Middle East	1,327.7	1,454.7	1,508.0	1,462.9	1,471.1	1,921.7	2,089.7	2,552.6	2,827.1	3,294.1	3,482.5
Africa	676.4	701.0	873.0	934.5	1,032.3	1,020.5	1,086.0	1,131.1	1,143.4	1,200.7	1,278.6
China	508.4	479.7	426.5	389.6	438.8	442.9	471.6	496.1	524.8	520.7	528.9
Japan	832.0	959.0	991.8	1,012.3	1,032.8	1,376.9	1,471.1	1,475.2	1,491.6	1,606.3	1,721.0
Korea	NA	NA	NA	NA	NA	NA	NA	4.5	86.5	111.1	107.0
Taiwan	61.9	61.9	53.7	45.5	45.5	45.5	41.4	37.3	37.3	41.4	41.4
South Asia	262.6	299.5	365.0	483.8	520.7	524.8	565.8	688.7	721.4	791.1	909.9
Other Asia	209.4	225.8	225.8	287.2	336.4	406.0	471.6	520.7	627.2	733.7	791.1
Asia	1,874.3	2,025.9	2,062.8	2,218.4	2,374.2	2,796.1	3,021.5	3,222.5	3,488.8	3,804.3	4,099.3
Australia	320.0	365.0	434.7	447.0	459.3	479.7	508.4	565.8	574.0	586.3	647.7
New Zealand	37.3	37.3	41.4	53.7	86.5	107.0	135.6	172.5	156.1	172.5	238.0
Australasia	357.3	402.3	476.1	500.7	545.8	586.7	644.0	738.3	730.1	758.8	885.7
Total World	52,078.2	52,704.8	53,335.9	53,212.9	53,663.7	57,863.3	59,785.0	60,633.9	64,001.4	67,237.6	69,957.9
Total Non-Communist	36,555.1	36,636.9	36,481.3	35,244.2	34,457.8	37,043.3	37,219.9	36,831.7	39,031.6	41,096.2	43,193.8
Total Communist	15,523.1	16,067.9	16,854.6	17,968.7	19,205.9	20,820.0	22,565.1	23,802.2	24,969.8	26,141.4	26,764.1
Total OECD Countries	32,005.2	31,689.6	31,169.5	29,571.9	28,465.9	30,486.2	30,085.1	28,967.3	30,552.7	31,822.6	33,289.2

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

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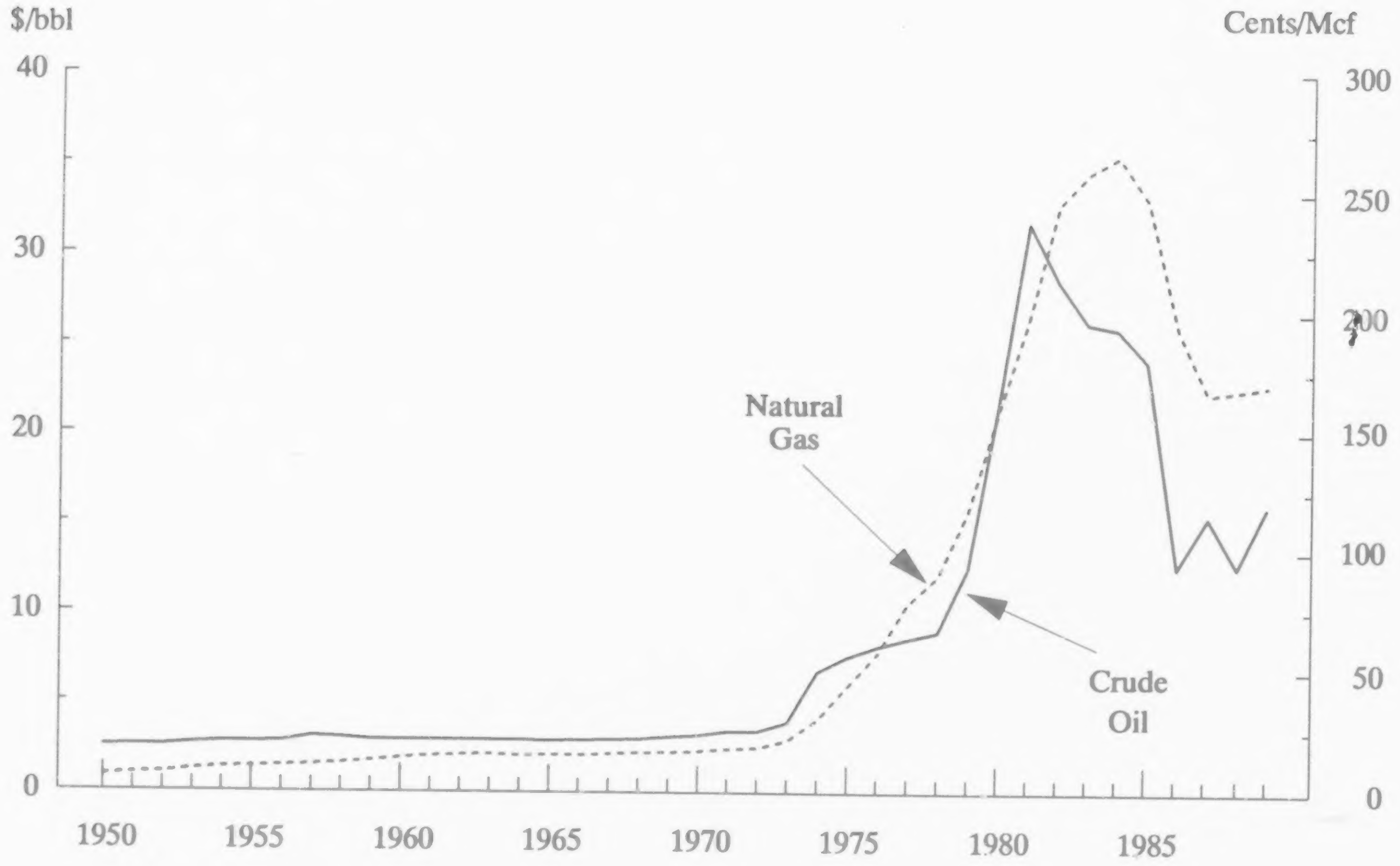
Wellhead Crude and Natural Gas Prices



Source: BOM, EIA

U.S. Average Crude Oil Price
At the Wellhead
Dollars per barrel

Year	$/bbl	Year	$/bbl	Year	$/bbl	Year	$/bbl
1859	20.00	1902	0.80	1945	1.22	1988	12.58
1860	9.60	1903	0.94	1946	1.41	1989	15.85
1861	0.52	1904	0.86	1947	1.93		
1862	1.05	1905	0.62	1948	2.60		
1863	3.15	1906	0.73	1949	2.54		
1864	8.15	1907	0.72	1950	2.51		
1865	6.59	1908	0.72	1951	2.53		
1866	3.75	1909	0.70	1952	2.53		
1867	2.40	1910	0.61	1953	2.68		
1868	3.62	1911	0.61	1954	2.78		
1869	5.60	1912	0.74	1955	2.77		
1870	3.90	1913	0.95	1956	2.79		
1871	4.40	1914	0.81	1957	3.09		
1872	3.75	1915	0.64	1958	3.01		
1873	1.80	1916	1.10	1959	2.90		
1874	1.15	1917	1.56	1960	2.88		
1875	0.97	1918	1.98	1961	2.89		
1876	2.52	1919	2.01	1962	2.90		
1877	2.38	1920	3.07	1963	2.89		
1878	1.17	1921	1.73	1964	2.88		
1879	0.86	1922	1.61	1965	2.86		
1880	0.94	1923	1.34	1966	2.88		
1881	0.92	1924	1.43	1967	2.92		
1882	0.78	1925	1.68	1968	2.94		
1883	1.10	1926	1.88	1969	3.09		
1884	0.85	1927	1.30	1970	3.18		
1885	0.88	1928	1.17	1971	3.39		
1886	0.71	1929	1.27	1972	3.39		
1887	0.67	1930	1.19	1973	3.89		
1888	0.65	1931	0.65	1974	6.87		
1889	0.77	1932	0.87	1975	7.67		
1890	0.77	1933	0.67	1976	8.19		
1891	0.56	1934	1.00	1977	8.57		
1892	0.51	1935	0.97	1978	9.00		
1893	0.60	1936	1.09	1979	12.64		
1894	0.72	1937	1.18	1980	21.59		
1895	1.09	1938	1.13	1981	31.77		
1896	0.96	1939	1.02	1982	28.52		
1897	0.68	1940	1.02	1983	26.19		
1898	0.80	1941	1.14	1984	25.88		
1899	1.13	1942	1.19	1985	24.09		
1900	1.19	1943	1.20	1986	12.51		
1901	0.96	1944	1.21	1987	15.40		

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, American Petroleum Institute,
Energy Information Administration

U.S. Average Price of Crude Oil at the Wellhead
Dollars per barrel

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1974	6.95	6.87	6.77	6.77	6.87	6.85	6.80	6.71	6.70	6.97	6.97	7.09	**6.86**
1975	7.61	7.47	7.57	7.55	7.52	7.49	7.75	7.73	7.75	7.83	7.80	7.93	**7.67**
1976	8.63	7.87	7.79	7.86	7.89	7.99	8.04	8.03	8.39	8.46	8.62	8.62	**8.18**
1977	8.50	8.57	8.45	8.40	8.49	8.44	8.48	8.62	8.63	8.72	8.72	8.77	**8.57**
1978	8.68	8.84	8.80	8.82	8.81	9.05	8.96	9.05	9.15	9.17	9.20	9.47	**9.00**
1979	9.46	9.69	9.83	10.33	10.71	11.70	13.39	14.00	14.57	15.11	15.52	17.03	**12.61**
1980	17.86	18.81	19.34	20.29	21.01	21.53	22.26	22.63	22.59	23.23	23.92	25.80	**21.61**
1981	28.85	34.14	34.70	34.05	32.71	31.71	31.13	31.13	31.13	31.00	30.98	30.72	**31.85**
1982	30.87	29.76	28.31	27.65	27.67	28.11	28.33	28.18	27.99	28.74	28.70	28.12	**28.54**
1983	27.22	26.41	26.08	25.85	26.08	25.98	25.86	26.03	26.08	26.04	26.09	25.88	**26.13**
1984	25.93	26.06	26.05	25.93	26.00	26.09	26.11	26.02	25.97	25.92	25.44	25.05	**25.88**
1985	24.26	23.64	23.89	24.19	24.18	24.07	24.04	23.99	23.96	24.10	24.27	24.51	**24.09**
1986	23.12	17.65	12.62	10.68	10.75	10.68	9.25	9.77	11.09	11.00	11.05	11.73	**12.45**
1987	13.79	14.51	14.54	14.95	15.29	15.95	16.88	17.06	16.25	15.95	15.46	14.27	**15.41**
1988	13.64	13.43	12.96	13.92	14.12	13.59	12.38	12.22	11.63	10.62	10.31	11.99	**12.57**
1989	13.79	14.23	15.63	17.01	16.75	16.40	16.32	15.01	15.58	16.24	16.30	17.00	**15.86**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Average Refiner's Acquisition Cost of Crude Oil
Dollars per barrel

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1979													
Domestic	11.02	11.34	11.45	12.06	12.41	13.24	14.61	15.73	16.05	16.93	17.65	18.84	**14.28**
Imported	15.50	15.88	16.41	17.58	19.00	21.03	23.09	23.98	25.06	25.05	27.02	28.91	**21.54**
Composite	13.11	13.42	13.70	14.52	15.40	17.00	18.58	19.75	20.14	20.68	22.04	23.63	**17.66**
1980													
Domestic	19.78	21.22	22.07	22.89	23.63	24.48	25.05	24.98	25.37	26.21	26.51	28.55	**24.23**
Imported	30.75	32.40	33.42	33.54	34.33	34.48	34.51	34.44	34.46	34.63	35.09	35.63	**33.97**
Composite	24.81	26.11	26.88	27.09	27.85	28.80	28.73	28.70	28.96	29.56	29.79	31.39	**28.22**
1981													
Domestic	32.71	36.27	36.97	35.58	35.21	34.20	33.76	33.79	33.47	33.48	33.49	33.51	**34.37**
Imported	38.85	39.00	38.31	38.41	37.84	37.03	36.58	35.82	35.44	35.43	36.21	35.95	**37.07**
Composite	34.86	37.28	37.48	36.58	36.11	35.03	34.70	34.46	34.11	34.07	34.33	34.33	**35.28**
1982													
Domestic	33.39	32.71	31.08	30.27	30.37	30.79	30.92	30.85	30.76	31.38	31.57	30.80	**31.24**
Imported	35.54	35.48	34.07	32.82	32.78	33.79	33.44	32.95	33.03	33.28	33.09	32.85	**33.59**
Composite	33.95	33.40	31.81	30.83	31.02	31.74	31.74	31.45	31.40	31.98	32.07	31.29	**31.89**
1983													
Domestic	31.40	30.76	28.43	27.95	28.53	29.23	28.76	28.58	28.69	28.88	28.76	28.62	**29.05**
Imported	31.40	30.76	28.43	27.95	28.53	29.23	28.76	29.50	29.54	29.67	29.09	29.30	**29.35**
Composite	30.73	29.49	28.64	28.33	28.64	28.85	28.75	28.88	28.97	29.14	28.85	28.83	**29.01**
1984													
Domestic	28.62	28.76	28.75	28.63	28.65	28.58	28.70	28.59	28.56	28.46	28.10	27.95	**28.53**
Imported	28.80	28.91	28.95	29.11	29.26	29.19	29.00	28.92	28.70	28.79	28.74	28.02	**28.87**
Composite	28.67	28.81	28.81	28.77	28.83	28.77	28.79	28.69	28.60	28.56	28.30	27.97	**28.63**
1985													
Domestic	26.89	26.35	26.60	26.79	26.91	26.60	26.60	26.46	26.41	26.60	26.73	26.93	**26.66**
Imported	27.49	26.99	27.20	27.59	27.60	27.25	26.57	26.61	26.56	26.79	27.12	26.21	**27.00**
Composite	27.02	26.49	26.76	27.03	27.12	26.76	26.59	26.50	26.45	26.66	26.86	26.72	**26.75**
1986													
Domestic	25.91	20.31	15.02	13.01	12.99	13.12	11.44	11.97	13.29	13.20	13.22	13.66	**14.76**
Imported	24.93	18.11	14.22	13.15	13.17	12.25	10.91	11.87	12.85	12.78	13.46	14.17	**14.32**
Composite	25.63	19.76	14.80	13.05	13.05	12.83	11.26	11.93	13.13	13.05	13.30	13.84	**14.64**
1987													
Domestic	16.01	16.77	16.93	17.21	17.63	18.33	19.04	19.39	18.57	18.36	17.94	17.02	**17.77**
Imported	16.45	16.98	17.26	17.89	18.25	18.71	19.26	19.32	18.57	18.53	18.14	17.20	**18.05**
Composite	16.16	16.83	17.04	17.44	17.85	18.47	19.13	19.36	18.57	18.43	18.02	17.09	**17.87**
1988													
Domestic	15.80	15.58	14.91	15.87	16.35	15.74	14.64	14.36	13.96	12.90	12.61	13.88	**14.72**
Imported	15.45	15.43	14.73	15.62	15.93	15.50	14.81	14.32	13.84	13.05	12.66	14.11	**14.62**
Composite	15.68	15.53	14.84	15.77	16.18	15.65	14.71	14.34	13.91	12.96	12.63	13.98	**14.68**
1989													
Domestic	15.49	16.11	17.39	18.92	19.02	18.56	18.31	17.23	17.70	18.20	18.46	19.16	**17.88**
Imported	15.98	16.59	17.77	19.59	19.06	18.27	17.97	17.23	17.62	18.29	18.32	20.04	**18.06**
Composite	15.70	16.31	17.55	19.22	19.03	18.43	18.16	17.23	17.66	18.24	18.39	19.54	**17.96**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Posted Price for West Texas Intermediate
Beginning of the Month
Dollars per barrel

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1946	1.17	1.17	1.17	1.27	1.27	1.27	1.27	1.52	1.52	1.52	1.52	1.62	**1.36**
1947	1.62	1.62	1.62	1.87	1.87	1.87	1.87	1.87	1.87	1.87	2.07	2.07	**1.84**
1948	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	**2.57**
1949	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	**2.57**
1950	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	**2.57**
1951	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	**2.57**
1952	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	**2.57**
1953	2.57	2.57	2.57	2.57	2.57	2.82	2.82	2.82	2.82	2.82	2.82	2.82	**2.72**
1954	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	**2.82**
1955	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	**2.82**
1956	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	**2.82**
1957	2.82	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.00	**3.04**
1958	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.00	3.00	**3.06**
1959	3.00	3.00	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	**2.98**
1960	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	**2.97**
1961	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	**2.97**
1962	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	**2.97**
1963	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	**2.97**
1964	2.97	2.97	2.97	2.97	2.97	2.97	2.92	2.92	2.92	2.92	2.92	2.92	**2.95**
1965	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	**2.92**
1966	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.97	2.97	2.97	2.97	**2.94**
1967	2.97	3.00	3.00	3.00	3.00	3.00	3.00	3.07	3.07	3.07	3.07	3.07	**3.03**
1968	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	**3.07**
1969	3.07	3.07	3.25	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	**3.30**
1970	3.35	3.35	3.35	3.35	3.35	3.35	3.31	3.31	3.31	3.31	3.31	3.56	**3.35**
1971	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	**3.56**
1972	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	**3.56**
1973	3.56	3.56	3.56	3.56	3.56	3.56	3.56	4.31	4.31	4.31	4.31	4.31	**3.87**
1974	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.11	10.11	11.16	11.16	11.16	**10.37**
1975	11.16	11.16	11.16	11.16	11.16	11.16	11.16	11.16	11.16	11.16	11.16	11.16	**11.16**
1976	11.16	12.03	12.10	12.17	12.17	12.17	12.17	12.17	13.90	13.90	13.90	13.90	**12.65**
1977	13.90	13.90	13.90	13.90	13.90	13.90	13.90	14.85	14.85	14.85	14.85	14.85	**14.30**
1978	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	14.85	**14.85**
1979	14.85	15.85	15.85	15.85	18.10	19.10	21.75	26.50	28.50	29.00	31.00	32.50	**22.40**
1980	32.50	37.00	38.00	39.50	39.50	39.50	39.50	38.00	36.00	36.00	36.00	37.00	**37.38**

Posted Price for West Texas Intermediate
Beginning of the Month
Dollars per barrel

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981	38.00	38.00	38.00	38.00	38.00	36.00	36.00	36.00	36.00	35.00	36.00	35.00	**36.67**
1982	35.00	34.00	33.00	33.00	33.00	32.00	32.00	32.00	32.00	32.00	33.00	32.00	**32.75**
1983	32.00	31.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	**30.25**
1984	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	29.00	29.00	**29.83**
1985	29.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	**28.08**
1986	28.00	25.00	18.75	15.00	13.25	14.00	14.00	12.25	14.25	14.25	14.25	14.25	**16.44**
1987	16.50	17.50	17.50	17.50	17.50	18.50	18.50	20.00	19.50	18.50	19.00	18.00	**18.21**
1988	17.00	16.50	16.00	16.00	17.50	17.00	15.25	15.50	14.75	14.00	12.75	14.00	**15.52**
1989	15.50	16.75	17.25	19.50	20.25	18.50	19.50	17.50	17.75	19.00	19.00	19.00	**18.29**

Data from Oil & Gas Journal Energy Database.
Source: Major U.S. Refiners

U.S. Crude Oil Price
By State
Dollars per barrel

	1901	1902	1903	1904	1905	1906	1907	1908	1909
California	0.57	0.35	0.30	0.28	0.25	0.29	0.37	0.52	0.55
Colorado	1.00	1.22	0.89	1.15	0.90	0.80	0.82	0.91	1.02
Illinois	5.00	5.00	NA	NA	0.64	0.75	0.68	0.67	0.64
Indiana	0.84	0.87	1.14	1.08	0.86	0.88	0.89	0.88	0.87
Kansas	0.86	0.88	1.06	0.97	0.55	0.44	0.40	0.41	0.39
Kentucky	0.81	0.76	0.88	0.99	0.78	0.85	1.05	0.97	0.81
Louisiana	NA	0.34	0.45	0.36	0.18	0.39	0.81	0.61	0.66
New York	1.21	1.37	1.59	1.63	1.39	1.60	1.76	1.79	1.66
Ohio	0.95	0.99	1.28	1.26	1.04	1.15	1.21	1.31	1.24
Oklahoma	NA	0.88	1.03	0.97	NA	NA	0.40	0.39	0.36
Pennsylvania	1.22	1.27	1.60	1.64	1.40	1.62	1.76	1.79	1.66
Texas	0.28	0.22	0.42	0.37	0.27	0.52	0.84	0.60	0.71
West Virginia	1.21	1.26	1.59	1.63	1.39	1.60	1.74	1.78	1.64
Wyoming	7.00	7.00	7.00	7.00	6.10	7.00	2.34	1.57	1.72
Total U.S.	**0.96**	**0.80**	**0.94**	**0.86**	**0.62**	**0.73**	**0.72**	**0.72**	**0.70**

	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919
California	0.49	0.48	0.45	0.47	0.48	0.42	0.59	0.92	1.22	1.41
Colorado	1.02	1.01	0.97	0.93	0.90	0.88	1.10	1.06	1.32	1.51
Illinois	0.59	0.63	0.85	1.30	1.16	0.98	1.65	1.99	2.34	2.48
Indiana	0.73	0.74	0.91	1.34	1.16	0.93	1.57	1.94	2.31	2.35
Kansas	0.39	0.48	0.69	0.95	0.78	0.60	1.18	1.84	2.21	2.33
Kentucky	0.69	0.70	0.88	1.29	0.99	0.96	1.82	2.28	2.58	2.65
Louisiana	0.52	0.53	0.76	0.98	0.90	0.59	0.96	1.60	1.72	1.56
Montana	NA	NA	NA	NA	NA	NA	0.98	1.47	1.82	1.90
New York	1.34	1.31	1.60	2.41	1.88	1.57	2.51	3.24	4.09	4.11
Ohio	1.07	1.08	1.35	2.00	1.57	1.29	2.09	2.72	3.22	3.02
Oklahoma	0.38	0.47	0.67	0.94	0.79	0.58	1.20	1.69	2.24	2.12
Pennsylvania	1.35	1.32	1.64	2.49	1.91	1.59	2.52	3.25	4.00	4.14
Texas	0.74	0.69	0.75	0.98	0.75	0.52	0.93	1.32	1.93	1.99
West Virginia	1.34	1.30	1.64	2.49	1.91	1.56	2.51	3.25	4.02	4.19
Wyoming	0.81	0.66	0.51	0.49	0.47	0.52	0.91	1.23	1.44	1.48
Total U.S.	**0.61**	**0.61**	**0.74**	**0.95**	**0.81**	**0.64**	**1.10**	**1.56**	**1.98**	**2.01**

U.S. Crude Oil Price
By State
Dollars per barrel

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Arkansas	NA	1.22	1.61	0.69	0.94	0.81	1.11	1.06	0.86	0.88
California	1.73	1.80	1.25	0.92	1.20	1.42	1.54	1.13	0.99	1.10
Colorado	1.79	1.22	1.18	1.19	1.10	1.48	1.84	1.20	0.99	1.01
Illinois	3.67	2.05	2.06	1.87	1.76	1.94	2.22	1.67	1.54	1.65
Indiana	3.61	2.08	2.05	1.82	1.84	1.95	2.19	1.63	1.50	1.64
Kansas	3.42	1.88	1.77	1.63	1.54	1.94	2.26	1.42	1.36	1.46
Kentucky	3.92	1.86	1.98	1.97	1.97	2.32	2.43	1.67	1.61	1.70
Louisiana	3.15	1.57	1.50	1.47	1.44	1.60	1.65	1.30	1.18	1.25
Michigan	NA	NA	NA	NA	NA	2.50	2.69	1.90	1.55	1.36
Montana	3.07	1.57	1.65	1.47	1.33	1.57	1.32	1.40	1.59	1.82
New Mexico	NA	NA	NA	NA	1.30	1.71	1.96	1.37	1.36	1.19
New York	6.00	3.30	3.14	3.31	3.64	3.70	3.68	3.17	3.36	3.90
Ohio	5.05	2.93	2.56	2.41	2.52	2.53	2.64	1.97	2.06	2.34
Oklahoma	3.36	1.60	1.73	1.74	1.57	1.97	2.31	1.43	1.39	1.43
Pennsylvania	5.98	3.33	3.21	3.33	3.61	3.62	3.56	3.06	3.27	3.79
Texas	3.24	1.53	1.59	1.48	1.52	1.81	1.85	1.14	0.92	1.09
West Virginia	6.08	3.39	3.26	3.2[illegible]	3.52	3.48	3.46	2.89	3.03	3.60
Wyoming	2.97	1.22	1.27	1.0[illegible]	1.23	1.76	1.98	1.40	1.28	1.28
Total U.S.	**3.07**	**1.73**	**1.61**	**1.34**	**1.43**	**1.68**	**1.88**	**1.30**	**1.17**	**1.27**

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
Arkansas	0.88	0.49	0.64	0.42	0.72	0.72	0.78	0.97	0.93	0.79
California	1.20	0.72	0.81	0.83	0.92	0.82	1.01	1.02	1.03	1.02
Colorado	0.89	0.53	0.77	0.59	0.93	0.91	1.01	1.12	1.09	0.95
Illinois	1.59	0.89	1.01	0.87	1.11	1.11	1.20	1.33	1.25	1.07
Indiana	1.62	0.89	1.03	0.88	1.15	1.13	1.23	1.35	1.27	0.98
Kansas	1.32	0.69	0.91	0.66	1.03	1.03	1.13	1.25	1.20	1.04
Kentucky	1.50	0.82	0.94	0.82	1.16	1.14	1.29	1.40	1.30	1.05
Louisiana	1.12	0.65	0.85	0.61	0.97	0.99	1.06	1.21	1.16	1.05
Michigan	1.32	0.75	0.76	0.90	1.02	1.04	1.34	1.32	1.03	0.91
Mississippi	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.88
Montana	1.62	0.96	1.04	0.98	1.22	1.34	1.31	1.26	1.05	0.98
New Mexico	0.90	0.43	0.61	0.46	0.75	0.78	0.84	0.94	0.93	0.82
New York	2.70	2.02	1.89	1.87	2.46	2.14	2.44	2.58	1.89	2.09
Ohio	1.84	1.05	1.17	1.07	1.61	1.45	1.58	1.64	1.17	1.14
Oklahoma	1.29	0.66	0.90	0.66	1.02	1.02	1.12	1.24	1.20	1.04
Pennsylvania	2.61	1.98	1.89	1.87	2.43	2.14	2.43	2.57	1.88	2.08
Texas	0.99	0.51	0.83	0.56	0.95	0.94	1.05	1.16	1.13	0.99
West Virginia	2.33	1.58	1.56	1.54	2.10	1.85	2.13	2.29	1.52	1.68
Wyoming	1.25	0.75	0.82	0.59	0.84	0.85	0.94	0.98	0.95	0.85
Total U.S.	**1.19**	**0.65**	**0.87**	**0.87**	**1.00**	**0.97**	**1.09**	**1.18**	**1.13**	**1.02**

U.S. Crude Oil Price
By State
Dollars per barrel

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949
Arkansas	0.84	0.93	0.99	0.99	1.05	1.07	1.26	1.82	2.48	2.48
California	0.97	1.04	1.03	1.05	1.06	1.06	1.23	1.72	2.42	2.26
Colorado	0.91	1.07	1.11	1.13	1.15	1.15	1.32	1.89	2.56	2.55
Illinois	1.06	1.30	1.36	1.37	1.39	1.40	1.59	2.10	2.77	2.77
Indiana	1.04	1.27	1.35	1.35	1.38	1.42	1.59	2.10	2.77	2.77
Kansas	1.04	1.15	1.20	1.20	1.22	1.24	1.42	1.93	2.60	2.58
Kentucky	1.04	1.30	1.36	1.37	1.42	1.48	1.61	2.11	2.77	2.76
Louisiana	1.04	1.14	1.19	1.22	1.22	1.23	1.45	2.01	2.68	2.66
Michigan	1.02	1.34	1.39	1.41	1.43	1.45	1.62	2.13	2.86	2.75
Mississippi	0.85	0.91	0.92	0.98	1.02	1.01	1.24	1.76	2.41	2.46
Montana	0.99	1.06	1.11	1.20	1.24	1.28	1.44	1.94	2.58	2.58
Nebraska	0.80	0.84	0.90	0.90	1.10	1.21	1.35	1.85	2.43	2.21
New Mexico	0.83	0.94	1.00	1.00	1.00	1.01	1.21	1.77	2.45	2.44
New York	2.32	2.57	2.95	3.01	3.33	3.76	3.83	4.21	4.49	3.56
Ohio	1.30	1.64	1.90	2.05	2.23	2.56	2.65	3.36	4.22	2.93
Oklahoma	1.04	1.13	1.19	1.19	1.23	1.27	1.44	1.92	2.58	2.56
Pennsylvania	2.29	2.54	2.94	2.98	3.29	3.73	3.82	4.19	4.96	3.57
Texas	1.00	1.12	1.17	1.21	1.21	1.21	1.41	1.95	2.61	2.59
West Virginia	1.86	2.15	2.53	2.59	2.90	3.34	3.40	3.90	4.76	3.09
Wyoming	0.80	0.86	0.88	0.98	1.00	1.01	1.14	1.68	2.33	2.28
Total U.S.	**1.02**	**1.14**	**1.19**	**1.20**	**1.21**	**1.22**	**1.41**	**1.93**	**2.60**	**2.54**

	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
Alaska	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.58
Arkansas	2.46	2.48	2.46	2.60	2.73	2.71	2.69	2.92	2.82	2.77
California	2.16	2.25	2.23	2.49	2.55	2.50	2.62	3.05	2.90	2.55
Colorado	2.55	2.54	2.55	2.71	2.77	2.75	2.78	3.02	2.99	2.90
Illinois	2.77	2.77	2.76	2.89	2.98	2.91	2.93	3.12	3.00	2.99
Indiana	2.76	2.75	2.75	2.93	2.96	2.91	2.93	3.13	3.01	2.97
Kansas	2.57	2.57	2.56	2.69	2.81	2.80	2.79	3.01	3.00	2.91
Kentucky	2.76	2.77	2.76	2.91	2.92	2.89	2.91	3.13	2.95	2.81
Louisiana	2.65	2.65	2.64	2.81	2.93	2.93	2.93	3.32	3.26	3.16
Michigan	2.70	2.72	2.66	2.92	2.96	2.92	2.87	3.06	2.94	2.94
Mississippi	2.31	2.24	2.23	2.36	2.50	2.46	2.45	2.91	2.86	2.84
Montana	2.52	2.47	2.25	2.18	2.20	2.26	2.58	2.70	2.65	2.56
Nebraska	2.13	2.33	2.44	2.71	2.75	2.75	2.79	2.98	2.94	2.88
New Mexico	2.43	2.45	2.47	2.63	2.75	2.74	2.75	2.99	2.98	2.85
New York	3.78	4.23	4.23	4.28	3.42	3.55	4.40	4.73	4.23	4.24
North Dakota	NA	NA	2.00	2.00	2.14	2.89	2.90	3.13	2.99	2.80
Ohio	3.03	3.05	2.99	2.69	2.76	2.89	3.14	3.23	2.89	2.87
Oklahoma	2.57	2.57	2.56	2.70	2.79	2.78	2.78	3.03	2.96	2.92
Pennsylvania	3.82	4.25	4.25	4.29	3.42	3.54	4.34	4.73	4.10	4.20
Texas	2.59	2.58	2.58	2.73	2.84	2.84	2.83	3.11	3.06	2.98
Utah	NA	NA	NA	NA	NA	NA	NA	NA	2.99	2.86
West Virginia	3.33	3.76	3.76	3.81	2.93	3.05	3.86	4.26	3.49	3.60
Wyoming	2.16	2.15	2.18	2.37	2.45	2.41	2.44	2.66	2.61	2.50
Total U.S.	**2.51**	**2.53**	**2.53**	**2.68**	**2.78**	**2.77**	**2.79**	**3.09**	**3.01**	**2.90**

U.S. Crude Oil Price
By State
Dollars per barrel

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Alabama	2.90	2.75	2.59	2.59	2.60	2.61	2.60	2.65	2.67	2.70
Alaska	2.20	2.79	3.04	3.04	3.04	3.06	3.06	3.13	2.82	2.90
Arizona	2.80	2.50	2.76	2.80	2.75	2.85	2.80	2.80	2.85	2.90
Arkansas	2.77	2.75	2.66	2.66	2.66	2.66	2.66	2.70	2.73	2.83
California	2.46	2.43	2.50	2.48	2.43	2.38	2.35	2.31	2.35	2.45
Colorado	2.90	2.88	2.88	2.88	2.88	2.88	2.91	2.92	2.95	3.12
Florida	2.45	2.40	2.10	1.99	2.01	2.05	2.20	2.25	2.31	2.47
Illinois	2.96	2.99	2.98	2.98	2.93	2.93	3.00	3.04	3.07	3.18
Indiana	2.94	2.98	2.98	2.96	2.85	2.84	3.00	2.98	3.05	3.19
Kansas	2.90	2.89	2.91	2.91	2.92	2.92	2.95	3.00	3.02	3.20
Kentucky	2.85	2.97	2.95	2.92	2.87	2.87	2.85	2.90	2.93	3.11
Louisiana	3.14	3.15	3.15	3.12	3.11	3.10	3.11	3.12	3.14	3.30
Michigan	2.91	2.92	2.85	2.85	2.81	2.79	2.87	2.89	2.95	3.07
Mississippi	2.83	2.82	2.78	2.76	2.67	2.64	2.65	2.72	2.80	2.92
Montana	2.41	2.42	2.42	2.44	2.43	2.43	2.44	2.50	2.57	2.69
Nebraska	2.87	2.85	2.83	2.83	2.70	2.66	2.72	2.75	2.79	2.98
New Mexico	2.85	2.86	2.88	2.88	2.87	2.81	2.84	2.92	2.95	3.13
New York	4.64	4.76	4.60	4.59	4.44	4.44	4.57	4.58	4.63	4.52
North Dakota	2.71	2.72	2.75	2.73	2.48	2.50	2.55	2.60	2.64	2.80
Ohio	2.97	3.09	3.10	3.15	2.93	2.94	3.00	3.17	3.19	3.29
Oklahoma	2.92	2.91	2.92	2.91	2.90	2.89	2.91	2.93	2.99	3.12
Pennsylvania	4.55	4.71	4.57	4.56	4.32	4.32	4.45	4.49	4.49	4.52
South Dakota	2.40	2.42	2.00	1.99	2.00	2.00	2.00	2.38	2.15	2.29
Tennessee	3.00	2.65	2.59	2.50	2.50	2.40	2.60	2.85	2.50	2.77
Texas	2.96	2.97	2.99	2.97	2.96	2.96	2.97	3.01	3.04	3.21
Utah	2.74	2.75	2.74	2.72	2.62	2.61	2.64	2.63	2.67	2.80
West Virginia	4.07	4.14	4.00	3.99	3.85	3.85	3.98	4.00	3.97	3.83
Wyoming	2.51	2.50	2.49	2.50	2.53	2.50	2.56	2.58	2.64	2.80
Total U.S.	**2.88**	**2.89**	**2.90**	**2.89**	**2.88**	**2.86**	**2.88**	**2.92**	**2.94**	**3.09**

U.S. Crude Oil Price
By State
Dollars per barrel

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	2.84	3.00	3.07	3.58	8.54	10.13	10.57	9.67	10.52	11.97
Alaska	3.01	3.24	3.23	3.62	4.92	5.22	5.03	5.84	* 5.21	* 10.57
Arizona	2.96	3.17	3.25	3.86	5.25	5.25	5.25	5.25	5.92	8.29
Arkansas	2.87	3.11	3.15	3.92	7.43	8.88	9.65	9.93	10.63	14.72
California	2.54	2.72	2.71	3.11	5.30	6.03	6.15	7.31	8.58	12.78
Colorado	3.18	3.39	3.41	4.25	7.57	9.60	9.65	10.10	10.84	13.28
Florida	2.49	2.91	2.91	4.59	9.66	11.71	11.24	11.67	NA	NA
Illinois	3.25	3.47	3.47	4.32	8.87	10.48	10.18	12.27	13.81	23.49
Indiana	3.20	3.42	3.42	3.92	8.62	10.54	10.89	12.46	13.70	23.28
Kansas	3.27	3.52	3.52	4.25	7.96	9.50	9.50	10.00	13.20	21.57
Kentucky	3.15	3.36	3.36	3.97	8.72	11.19	11.42	13.02	13.73	22.55
Louisiana	3.88	3.59	3.59	4.00	6.53	7.09	7.51	8.33	9.03	11.42
Michigan	3.10	3.27	3.20	4.07	8.59	10.74	10.84	11.00	11.86	14.47
Mississippi	2.99	3.15	3.15	3.81	6.10	6.66	7.14	8.20	7.91	10.74
Montana	2.78	3.01	3.07	3.33	6.65	7.83	8.42	8.58	9.04	12.03
Nebraska	3.09	3.38	3.38	3.87	6.83	9.01	8.99	10.46	11.40	18.13
New Mexico	3.20	3.40	3.41	4.10	7.22	8.29	8.84	9.23	10.17	14.33
New York	4.52	4.70	4.81	5.60	10.65	12.22	12.25	14.20	NA	NA
North Dakota	3.05	3.27	3.28	3.90	6.04	7.32	7.84	8.00	9.75	13.64
Ohio	3.34	3.60	3.76	5.08	9.83	11.89	11.77	13.16	13.80	22.79
Oklahoma	3.19	3.40	3.41	3.78	7.18	8.52	9.19	9.98	11.30	17.53
Pennsylvania	4.52	4.66	4.77	5.62	10.41	12.15	12.16	14.29	14.72	24.13
South Dakota	2.34	2.59	2.62	3.59	6.65	12.70	12.35	12.00	12.16	15.35
Tennessee	2.82	3.05	3.00	3.36	9.42	11.51	13.72	13.75	12.70	20.26
Texas	3.28	3.48	3.48	3.98	6.95	7.64	8.59	8.78	9.29	12.65
Utah	2.81	3.04	3.04	3.61	7.11	8.23	9.30	9.33	9.98	11.41
West Virginia	3.80	3.91	4.50	5.02	10.15	11.99	12.00	13.97	14.48	23.35
Wyoming	2.93	3.10	3.09	3.82	6.53	7.24	7.24	7.62	9.16	11.73
Total U.S.	**3.18**	**3.39**	**3.39**	**3.89**	**6.74**	**7.56**	**8.14**	**8.57**	**8.96**	**12.51**

U.S. Crude Oil Price
By State
Dollars per barrel

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	20.57	35.80	32.32	30.07	29.39	25.77	13.91	16.80	13.86	17.26
Alaska	* 16.87	* 23.23	* 19.92	* 17.69	* 17.91	* 16.98	* 6.45	* 10.83	* 8.43	* 11.99
Arizona	12.30	24.00	31.00	30.00	27.00	27.00	15.15	17.35	NA	NA
Arkansas	24.17	33.69	30.12	28.28	28.15	25.79	14.54	17.23	14.41	17.34
California	23.87	26.80	24.58	22.61	22.09	22.14	11.90	13.92	10.97	14.05
Offshore Calif.+	16.28	24.56	23.37	20.54	20.41	20.08	9.48	11.82	9.41	12.66
Colorado	22.91	35.69	31.56	28.92	28.09	25.64	13.98	17.71	14.83	18.84
Florida	NA	NA	NA	NA	NA	29.00	23.13	16.05	NA	NA
Gulf of Mexico +	18.87	35.07	32.61	29.77	29.36	27.33	15.27	17.54	14.71	17.82
Illinois	35.78	36.03	31.69	29.12	28.76	26.90	14.70	17.53	14.79	18.36
Indiana	35.91	36.07	31.66	29.06	28.72	26.82	14.55	17.49	14.78	18.37
Kansas	34.20	35.80	30.79	28.45	27.99	25.33	14.02	17.37	14.55	18.18
Kentucky	34.98	35.90	31.19	28.60	28.24	26.20	14.20	17.19	14.58	18.36
Louisiana	19.87	35.45	32.44	30.02	29.67	27.22	15.32	17.97	15.22	18.34
Michigan	23.54	35.74	31.80	28.93	28.54	26.16	14.61	17.63	14.92	18.08
Mississippi	20.85	30.47	29.04	26.76	27.26	25.51	13.63	16.78	13.98	17.00
Montana	20.53	34.69	31.25	28.80	28.07	25.29	13.58	16.57	13.84	17.03
Nebraska	30.60	35.32	30.98	28.58	27.83	25.42	13.70	17.08	14.08	17.36
New Mexico	24.06	35.04	31.82	29.26	28.69	26.84	14.93	17.57	14.78	17.86
New York	NA	NA	30.91	28.19	27.70	25.19	16.03	17.40	NA	NA
North Dakota	26.42	35.63	31.89	29.27	28.39	25.32	13.54	16.76	13.85	17.12
Ohio	36.64	36.11	30.90	28.14	27.71	25.11	15.51	17.42	15.19	18.06
Oklahoma	29.25	35.43	32.04	29.67	29.11	26.28	14.47	17.62	14.86	18.23
Pennsylvania	37.46	36.03	30.77	28.28	27.71	25.05	15.77	17.43	15.26	18.15
South Dakota	28.81	35.55	31.63	29.10	28.36	25.79	13.81	16.96	14.04	17.33
Tennessee	34.29	33.00	32.10	32.00	26.00	26.00	15.00	15.84	NA	NA
Texas	21.84	35.06	31.77	29.35	28.87	26.80	14.73	17.55	14.71	17.81
Utah	19.79	34.14	30.50	28.12	27.21	23.98	13.33	17.22	14.24	18.60
West Virginia	36.92	35.63	29.98	27.27	26.90	24.35	14.68	16.56	14.35	17.18
Wyoming	21.34	32.30	29.37	27.19	26.73	24.67	12.94	16.45	13.47	16.73
Total U.S.	**21.59**	**31.77**	**28.52**	**26.19**	**25.88**	**24.09**	**12.51**	**15.40**	**12.58**	**15.85**

* Alaska North Slope crude oil price.
+ Federal Offshore

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, American Petroleum Institute, Energy Information Administration

Weighted Average Crude Oil Prices
Dollars per barrel

	Total OPEC*	Total Non-OPEC*	Total World+	U.S. Imports@
January 1981	34.36	37.23	35.45	36.28
February	34.91	38.62	35.60	36.71
March	34.93	38.57	35.61	36.58
April	34.91	38.54	35.60	36.58
May	34.83	37.39	35.32	36.49
June	34.55	35.46	34.74	36.08
July	34.34	34.59	34.39	35.52
August	34.08	34.72	34.20	35.01
September	33.98	34.72	34.13	34.56
October	33.84	34.39	33.97	33.84
November	34.12	34.91	34.30	34.37
December	34.24	34.79	34.37	34.45
1981 Average	**34.42**	**36.16**	**34.81**	**35.54**
January 1982	34.13	34.35	34.18	34.15
February	34.09	33.99	34.06	34.04
March	33.99	32.09	33.51	33.26
April	33.77	31.89	33.31	33.04
May	33.70	31.82	33.25	32.98
June	33.47	32.08	33.09	32.99
July	33.57	31.93	33.13	32.99
August	33.56	31.93	33.11	32.99
September	33.56	31.93	33.11	32.99
October	33.56	31.91	33.11	32.99
November	33.55	31.86	33.06	32.64
December	33.54	31.77	33.01	32.51
1982 Average	**33.71**	**32.30**	**33.33**	**33.13**
January 1983	33.54	31.72	33.00	32.51
February	33.44	31.39	32.82	32.32
March	32.91	30.19	32.10	30.86
April	29.09	28.21	28.76	28.43
May	28.82	28.20	28.59	28.32
June	28.84	28.24	28.62	28.16
July	28.88	28.44	28.72	27.58
August	28.72	28.63	28.69	27.81
September	28.65	28.64	28.65	27.92
October	28.61	28.28	28.66	28.33
November	28.59	28.83	28.67	28.45
December	28.59	28.73	28.64	28.45
1983 Average	**29.89**	**29.13**	**29.66**	**29.10**

	Total OPEC*	Total Non-OPEC*	Total World+	U.S. Imports@
January 1984	28.59	28.65	28.61	28.44
February	28.59	28.65	28.61	28.44
March	28.59	28.69	28.62	28.36
April	28.59	28.71	28.62	28.31
May	28.59	28.77	28.65	28.43
June	28.59	28.77	28.65	28.43
July	28.59	28.77	28.65	28.43
August	28.62	28.64	28.62	28.41
September	28.74	28.71	28.73	28.38
October	28.66	28.46	28.59	28.16
November	28.58	28.18	28.43	28.03
December	28.58	28.18	28.43	28.03
1984 Average	**28.61**	**28.60**	**28.60**	**28.32**
January 1985	28.51	28.16	28.38	27.96
February	28.21	27.99	28.13	27.63
March	27.99	27.89	27.96	27.44
April	27.99	27.39	27.77	27.20
May	27.98	27.16	27.67	27.10
June	27.97	26.36	27.37	26.82
July	27.95	25.94	27.21	26.56
August	27.92	25.99	27.11	26.54
September	27.92	26.42	27.29	26.40
October	27.88	26.77	27.42	26.37
November	27.83	27.26	27.60	26.43
December	27.81	26.40	27.23	25.88
1985 Average	**28.00**	**26.98**	**27.60**	**26.86**
January 1986	27.71	24.27	26.36	24.77
February	27.23	20.20	24.44	21.64
March	15.11	14.41	14.85	13.44
April	12.80	12.41	12.62	12.08
May	13.40	12.71	13.15	12.55
June	12.03	11.82	11.95	11.24
July	10.13	9.79	10.00	9.64
August	12.28	11.50	11.99	11.49
September	13.92	12.99	13.58	12.58
October	13.39	13.00	13.25	12.80
November	13.62	13.47	13.56	13.04
December	13.78	14.14	13.93	13.12
1986 Average	**15.45**	**14.23**	**14.97**	**14.03**

Weighted Average Crude Oil Prices
Dollars per barrel

	Total OPEC*	Total Non-OPEC*	Total World+	U.S. Imports@
January 1987	17.17	17.11	17.14	16.48
February	17.34	16.97	17.19	16.76
March	17.36	17.32	17.35	16.94
April	17.37	17.53	17.44	17.09
May	17.38	17.96	17.63	17.42
June	17.40	18.06	17.66	17.60
July	17.46	18.66	17.90	18.17
August	17.48	18.40	17.80	18.14
September	17.39	17.66	17.48	17.51
October	17.38	17.81	17.52	17.44
November	17.33	17.17	17.28	17.12
December	16.68	16.13	16.48	16.23
1987 Average	**17.31**	**17.57**	**17.41**	**17.24**
January 1988	16.64	15.83	16.35	15.92
February	15.46	15.17	15.34	14.99
March	13.77	14.09	13.90	13.63
April	15.06	15.16	15.10	14.45
May	15.16	15.44	15.23	14.81
June	14.47	15.00	14.67	14.40
July	13.57	14.23	13.81	13.66
August	13.48	13.86	13.62	13.44
September	12.08	12.76	12.32	12.42
October	10.75	11.62	11.05	11.09
November	10.80	11.75	11.12	11.00
December	12.86	13.51	13.07	12.83
1988 Average	**13.68**	**14.04**	**13.80**	**13.55**

	Total OPEC*	Total Non-OPEC*	Total World+	U.S. Imports@
January 1989	14.86	15.42	15.04	14.96
February	15.11	15.63	15.29	15.04
March	16.55	17.09	16.75	16.40
April	18.05	18.57	18.24	18.20
May	16.78	17.78	17.13	17.32
June	16.19	17.20	16.54	16.67
July	16.16	17.18	16.51	16.79
August	15.39	16.14	15.65	15.71
September	16.11	16.80	16.35	16.31
October	17.00	17.58	17.19	17.23
November	17.00	17.69	17.23	17.34
December	17.77	18.38	17.97	17.93
1989 Average	**16.41**	**17.12**	**16.66**	**16.66**

* Average price (FOB) weighted by estimated export volumes.
+ Average price (FOB) weighted by estimated export volumes.
Excludes U.S. crude oil since it is not exported.
@ Average price (FOB) weighted by estimated import volumes.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Landed Cost of U.S. Crude Oil Imports
By Country
Dollars per barrel

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Algeria	21.90	37.90	40.49	35.28	31.26	29.08	27.46	14.82	17.87	NA	19.13
Canada	20.43	30.47	32.16	26.92	25.63	26.59	25.71	13.43	17.04	13.50	16.81
Indonesia	20.69	33.92	37.57	36.75	31.57	30.64	28.67	14.63	18.49	15.15	18.35
Mexico	20.86	31.80	33.78	28.64	25.78	26.87	25.63	12.17	16.69	12.58	16.35
Nigeria	22.96	37.05	39.70	36.17	30.84	30.50	28.96	15.29	19.32	15.88	19.19
Saudi Arabia	19.15	30.02	34.19	35.00	29.76	29.50	24.72	12.84	16.81	13.37	17.33
United Kingdom	22.16	35.88	37.24	34.28	30.87	29.60	28.35	14.63	18.78	15.82	18.74
Venezuela	18.18	25.86	29.87	24.82	22.94	25.15	24.43	11.52	15.76	13.66	16.78
Average Other Countries	23.18	36.02	38.54	34.03	29.68	29.20	27.33	14.25	18.30	14.45	18.08
Average All Arab Countries	20.79	32.97	36.22	35.15	30.03	29.12	25.88	13.14	17.32	13.60	17.41
Average OPEC	21.29	33.56	36.60	34.81	29.87	28.93	26.85	13.46	17.64	14.18	17.78
Average All U.S. Imports	**21.65**	**33.95**	**36.52**	**33.18**	**28.93**	**28.46**	**26.66**	**13.49**	**17.65**	**14.08**	**17.68**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Posted Prices of Selected Crude Oils
Yearend
Dollars per barrel

	Algeria Saharan 44 deg.	Ecuador Oriente 29.7 deg.	Indonesia Minas 34 deg.	Iran Light 34 deg.	Libya Es Sider 37 deg.	Nigeria Bonny 37 deg.	Saudi Arabia Light 34 deg.	Venezuela Tia Juana 26 deg.	Mexico Maya* 22 deg.	United Kingdom Brent Blend* 38 deg.
1955	NA	NA	NA	1.86	NA	NA	1.93	NA	NA	NA
1956	NA	NA	NA	1.99	NA	NA	1.93	NA	NA	NA
1957	NA	NA	NA	1.99	NA	NA	2.08	NA	NA	NA
1958	NA	NA	NA	1.81	NA	NA	2.08	NA	NA	NA
1959	NA	NA	NA	1.81	NA	NA	1.90	NA	NA	NA
1960	NA	NA	NA	1.81	NA	NA	1.80	NA	NA	NA
1961	NA	NA	NA	1.81	2.23	NA	1.80	NA	NA	NA
1962	NA	NA	NA	1.81	2.23	NA	1.80	NA	NA	NA
1963	2.35	NA	NA	1.81	2.23	NA	1.80	NA	NA	NA
1964	2.35	NA	NA	1.81	2.23	NA	1.80	NA	NA	NA
1965	2.35	NA	NA	1.79	2.23	NA	1.80	NA	NA	NA
1966	2.35	NA	NA	1.79	2.23	NA	1.80	NA	NA	NA
1967	2.35	NA	NA	1.79	2.23	2.17	1.80	NA	NA	NA
1968	2.35	NA	NA	1.79	2.23	2.17	1.80	NA	NA	NA
1969	2.65	NA	NA	1.79	2.23	2.17	1.80	NA	NA	NA
1970	2.65	NA	1.70	1.79	2.53	2.42	1.80	2.01	NA	NA
1971	3.55	NA	2.26	2.27	3.39	3.17	2.29	2.90	NA	NA
1972	3.66	2.50	2.96	2.47	3.62	3.56	2.59	3.06	NA	NA
1973	9.10	10.00	10.80	11.87	9.06	14.69	11.65	11.79	NA	NA
1974	12.30	13.70	12.60	11.47	14.60	11.66	11.25	12.33	NA	NA
1975	12.75	11.45	12.80	12.50	12.21	12.70	12.67	13.43	NA	NA
1976	13.05	13.00	13.55	12.50	13.74	14.31	13.00	11.65	NA	NA
1977	14.45	12.65	13.55	12.81	13.80	14.31	13.66	12.82	NA	NA
1978	14.10	12.37	13.90	12.81	14.52	14.80	14.34	13.36	15.45	15.70
1979	30.00	32.09	27.50	28.50	34.50	29.97	27.95	25.20	28.00	26.02
1980	37.00	40.07	35.00	37.00	40.78	40.00	32.00	32.88	34.50	39.25
1981	37.50	33.05	35.00	34.20	36.50	36.50	34.00	32.88	26.50	36.60
1982	35.50	29.60	34.53	31.20	35.50	35.50	34.00	32.88	25.50	33.50
1983	30.50	26.90	29.53	28.00	30.15	30.00	29.00	29.84	25.00	30.00
1984	30.50	17.50	29.53	28.00	30.15	28.00	29.00	29.84	25.50	28.65
1985	29.50	26.15	28.53	28.05	30.15	28.65	28.00	28.05	21.93	26.00
1986	17.30	15.86	16.20	16.14	16.95	17.13	16.15	15.10	14.00	18.25
1987	18.87	15.46	17.56	15.55	18.52	18.92	17.52	17.62	11.10	18.00
1988	16.10	13.56	15.50	12.75	15.40	15.05	13.15	12.27	10.63	18.50
1989	21.15	18.81	18.55	18.20	20.40	21.20	18.40	24.69	17.05	21.00

* Mexico and the United Kingdom do not post crude prices. Prices shown are estimates based on long-term contract prices and spot market quotations.

Data from Oil & Gas Journal Energy Database.
Source: OPEC Secretariat, Energy Information Administration

Arabian Light Crude Oil Price
Average Government Selling Price
Dollars per barrel

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
1st Quarter	2.41	10.95	10.46	11.51	12.09	12.70	13.34	26.00	32.00	34.00
2nd Quarter	2.61	10.98	10.46	11.51	12.09	12.70	14.55	28.00	32.00	34.00
3rd Quarter	2.82	11.05	10.46	11.51	12.70	12.70	18.00	28.00	32.00	34.00
4th Quarter	4.41	10.59	11.51	11.51	12.70	12.70	18.00	30.00	34.00	34.00
Annual Average	**3.06**	**10.89**	**10.72**	**11.51**	**12.40**	**12.70**	**15.97**	**28.00**	**32.50**	**34.00**

	1983	1984	1985	1986	1987	1988	1989
1st Quarter	34.00	29.00	29.00	28.00	16.15	17.52	13.70
2nd Quarter	29.00	29.00	28.00	17.49	17.52	14.05	17.00
3rd Quarter	29.00	29.00	28.00	12.70	17.52	14.15	16.55
4th Quarter	29.00	29.00	28.00	14.03	17.52	11.70	16.55
Annual Average	**30.25**	**29.00**	**28.25**	**18.06**	**17.18**	**14.36**	**15.95**

Arabian Light Crude Oil Price
Average Spot Market Price
Dollars per barrel

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
1st Quarter	2.10	9.90	10.45	11.50	12.20	12.70	19.65	36.10	37.65	31.00
2nd Quarter	2.30	10.50	10.40	11.50	12.10	12.70	27.95	35.40	33.85	32.30
3rd Quarter	2.60	10.00	10.45	11.60	12.70	12.80	33.60	32.85	31.95	32.00
4th Quarter	4.50	10.45	11.50	11.90	12.70	13.80	38.35	38.40	33.75	31.75
Annual Average	**2.88**	**10.21**	**10.70**	**11.63**	**12.43**	**13.00**	**29.89**	**35.69**	**34.30**	**31.76**

	1983	1984	1985	1986	1987	1988	1989
1st Quarter	29.30	28.55	17.93	17.55	17.16	14.82	15.19
2nd Quarter	28.65	28.35	27.15	11.38	17.41	14.78	17.05
3rd Quarter	28.90	27.65	27.45	11.32	17.68	12.87	15.70
4th Quarter	28.35	27.77	27.53	14.31	16.86	11.25	17.46
Annual Average	**28.80**	**28.08**	**25.02**	**13.64**	**17.28**	**13.43**	**16.35**

Data from Oil & Gas Journal Energy Database.
Source: Shell Briefing Service, Energy Information Administration, OPEC Bulletin

Average U.S. Wellhead Price of Natural Gas
Cents per thousand cubic feet

1947	6.0	1971	18.2
1948	6.5	1972	18.6
1949	6.3	1973	21.6
1950	6.5	1974	30.4
1951	7.3	1975	44.5
1952	7.8	1976	58.0
1953	9.2	1977	79.0
1954	10.1	1978	90.5
1955	10.4	1979	117.8
1956	10.8	1980	159.0
1957	11.3	1981	198.0
1958	11.9	1982	246.0
1959	12.9	1983	259.0
1960	14.0	1984	266.0
1961	15.1	1985	251.0
1962	15.5	1986	194.0
1963	15.8	1987	167.0
1964	15.4	1988	169.0
1965	15.6	1989	171.0
1966	15.7		
1967	16.0		
1968	16.4		
1969	16.7		
1970	17.1		

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Average Price of Natural Gas at the Wellhead
Dollars per thousand cubic feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1974	0.24	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.28	0.32	**0.27**
1975	0.30	0.29	0.33	0.33	0.35	0.35	0.37	0.35	0.36	0.36	0.36	0.36	**0.34**
1976	0.39	0.39	0.39	0.41	0.42	0.44	0.44	0.56	0.69	0.58	0.53	0.54	**0.48**
1977	0.59	0.63	0.70	0.65	0.69	0.69	0.72	0.71	0.72	0.74	0.75	0.74	**0.69**
1978	0.74	0.76	0.79	0.81	0.81	0.83	0.84	0.84	0.88	0.91	0.90	0.96	**0.84**
1979	1.02	1.05	1.09	1.11	1.15	1.17	1.20	1.24	1.23	1.28	1.29	1.31	**1.18**
1980	1.37	1.42	1.46	1.51	1.56	1.57	1.64	1.64	1.69	1.71	1.76	1.74	**1.59**
1981	1.77	1.81	1.86	1.93	1.95	1.95	2.01	2.02	2.08	2.11	2.15	2.16	**1.98**
1982	2.21	2.23	2.31	2.35	2.41	2.44	2.45	2.51	2.54	2.56	2.59	2.60	**2.43**
1983	2.66	2.66	2.58	2.53	2.53	2.59	2.52	2.58	2.67	2.58	2.60	2.61	**2.59**
1984	2.67	2.71	2.67	2.64	2.67	2.70	2.68	2.69	2.62	2.63	2.61	2.57	**2.66**
1985	2.64	2.71	2.62	2.64	2.53	2.58	2.51	2.47	2.42	2.37	2.36	2.28	**2.51**
1986	2.28	2.26	2.16	2.10	1.96	1.85	1.80	1.77	1.78	1.73	1.77	1.76	**1.94**
1987	1.74	1.73	1.73	1.69	1.65	1.65	1.66	1.63	1.56	1.57	1.64	1.70	**1.66**
1988	1.96	1.84	1.70	1.59	1.52	1.53	1.56	1.62	1.53	1.68	1.76	1.89	**1.68**
1989	2.00	1.82	1.70	1.57	1.62	1.65	1.66	1.62	1.59	1.62	1.72	1.91	**1.71**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Price of Imported Natural Gas
Dollars per Thousand Cubic Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981	4.33	4.51	4.61	4.88	4.82	4.83	4.86	4.89	4.88	5.00	5.01	4.97	**4.80**
1982	4.94	4.96	4.94	4.94	4.93	4.86	5.00	5.07	5.05	5.02	5.01	4.94	**4.97**
1983	5.03	5.09	5.01	4.58	4.40	4.41	4.31	3.93	4.02	4.03	4.26	4.33	**4.45**
1984	4.40	4.37	4.40	4.23	4.15	4.25	4.15	4.12	4.34	4.19	3.43	3.34	**4.11**
1985	3.21	3.08	3.29	3.39	3.32	3.40	3.41	3.28	3.28	3.16	2.88	2.79	**3.21**
1986	2.81	2.79	3.36	3.14	2.75	2.56	2.78	2.59	2.26	2.22	1.84	1.99	**2.59**
1987	2.13	2.21	2.30	2.25	2.22	2.26	2.73	2.17	2.36	1.98	1.94	2.00	**2.21**
1988	1.64	2.03	2.09	2.01	2.02	1.98	2.34	1.88	2.00	1.94	1.98	2.14	**2.00**
1989	1.77	2.21	1.99	2.01	2.02	2.04	1.88	2.24	2.02	2.17	2.13	2.08	**2.05**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Spot Prices for Natural Gas
Selected Pipelines
Dollars per million BTU

	Columbia Gas	El Paso Pipeline	Houston Pipeline	Panhandle Eastern	Transcontinental Gas Pipeline	Texas Eastern	Texas Gas Transmission
January 1986	2.25	2.10	2.05	2.00	2.10	2.05	2.15
February	2.20	2.00	1.95	1.90	2.05	2.00	2.15
March	2.15	1.80	1.80	1.85	2.00	1.95	2.10
April	1.95	1.55	1.55	1.65	1.80	1.80	1.90
May	1.70	1.35	1.40	1.50	1.60	1.60	1.70
June	1.50	1.35	1.40	1.35	1.50	1.50	1.50
July	1.55	1.45	1.40	1.40	1.50	1.50	1.55
August	1.55	1.45	1.45	1.40	1.45	1.50	1.55
September	1.50	1.40	1.40	1.35	1.45	1.45	1.50
October	1.45	1.35	1.35	1.35	1.40	1.40	1.45
November	1.50	1.40	1.35	1.45	1.45	1.45	1.50
December	1.50	1.40	1.35	1.45	1.45	1.45	1.50
1986 Average	**1.73**	**1.55**	**1.54**	**1.55**	**1.65**	**1.64**	**1.71**
January 1987	1.60	1.45	1.40	1.45	1.50	1.50	1.60
February	1.60	1.55	1.50	1.50	1.55	1.55	1.65
March	1.60	1.55	1.50	1.50	1.50	1.55	1.60
April	1.55	1.55	1.45	1.45	1.45	1.50	1.55
May	1.50	1.50	1.45	1.40	1.45	1.45	1.50
June	1.45	1.45	1.40	1.35	1.45	1.45	1.45
July	1.40	1.40	1.40	1.25	1.45	1.40	1.40
August	1.35	1.35	1.35	1.20	1.40	1.40	1.40
September	1.35	1.35	1.35	1.20	1.40	1.40	1.40
October	1.40	1.35	1.35	1.30	1.45	1.45	1.40
November	1.50	1.45	1.45	1.40	1.55	1.55	1.50
December	1.75	1.75	1.70	1.65	1.80	1.80	1.75
1987 Average	**1.50**	**1.48**	**1.44**	**1.39**	**1.50**	**1.50**	**1.52**
January 1988	2.05	2.10	1.95	1.90	2.05	2.00	2.05
February	2.05	2.10	1.95	1.95	2.00	NA	2.05
March	1.85	1.60	1.55	1.70	1.80	NA	1.85
April	1.50	1.45	1.30	1.40	1.50	NA	1.55
May	1.40	1.30	1.25	1.25	1.35	1.30	1.40
June	1.40	1.35	1.30	1.25	1.35	1.35	1.40
July	1.45	1.45	1.40	1.25	1.45	1.45	1.50
August	1.60	1.65	1.55	1.30	1.55	1.55	1.60
September	1.75	1.80	1.70	1.45	1.65	1.65	1.75
October	1.75	1.70	1.70	1.50	1.65	1.60	1.70
November	1.95	1.65	1.85	1.65	1.90	1.85	1.95
December	2.20	1.85	1.95	1.85	2.15	2.15	2.20
1988 Average	**1.75**	**1.67**	**1.62**	**1.54**	**1.70**	**NA**	**1.75**

Spot Prices for Natural Gas
Selected Pipelines
Dollars per million BTU

	Columbia Gas	El Paso Pipeline	Houston Pipeline	Panhandle Eastern	Transcontinental Gas Pipeline	Texas Eastern	Texas Gas Transmission
January 1989	2.20	1.95	1.85	1.80	2.15	2.05	2.20
February	1.90	1.65	1.45	1.50	1.70	1.70	1.85
March	1.55	1.45	1.35	1.25	1.50	1.45	1.50
April	1.55	1.50	1.45	1.30	1.50	1.50	1.50
May	1.65	1.60	1.65	1.40	1.70	1.65	1.60
June	1.70	1.55	1.65	1.40	1.75	1.65	1.70
July	1.65	1.60	1.60	1.35	1.65	1.60	1.65
August	1.60	1.60	1.55	1.35	1.60	1.55	1.60
September	1.50	1.50	1.45	1.30	1.50	1.45	1.50
October	1.60	1.45	1.40	1.35	1.55	1.45	1.55
November	1.80	1.65	1.60	1.45	1.85	1.70	1.75
December	2.15	2.05	1.95	1.70	2.10	2.00	2.10
1989 Average	**1.74**	**1.63**	**1.58**	**1.43**	**1.71**	**1.65**	**1.71**

Data from Oil & Gas Journal Energy Database.
Source: Natural Gas Clearinghouse

U.S. Natural Gas Wellhead Prices
Dollars per thousand cubic feet

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
Alabama	0.07	0.10	0.12	0.11	0.13	0.13	0.13	0.13	0.13	0.14	0.15	0.35	0.38	0.74
Alaska	0.20	0.21	0.25	0.27	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.15	0.15	0.17
Arizona	NA	0.12	0.12	0.12	0.12	0.14	0.15	0.16	0.18	0.17	0.18	0.18	0.18	0.20
Arkansas	0.12	0.15	0.16	0.16	0.16	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.18	0.26
California	0.27	0.29	0.29	0.30	0.31	0.31	0.30	0.31	0.31	0.32	0.33	0.37	0.37	0.44
Colorado	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.15	0.15	0.16	0.17	0.18	0.20
Florida	0.16	0.21	0.20	0.13	0.13	0.14	0.15	0.15	0.16	NA	0.30	0.32	0.34	0.54
Illinois	0.13	0.14	0.13	0.12	0.12	0.12	0.12	0.13	0.14	0.16	0.18	0.28	0.35	0.40
Indiana	0.19	0.21	0.23	0.24	0.24	0.24	0.23	0.23	0.24	0.24	0.25	0.16	0.14	0.14
Kansas	0.12	0.12	0.13	0.13	0.13	0.14	0.13	0.14	0.14	0.14	0.14	0.14	0.16	0.17
Kentucky	0.24	0.25	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.35	0.50
Louisiana	0.17	0.20	0.20	0.19	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.22	0.31
Maryland	0.27	0.27	0.27	0.27	0.25	0.26	0.26	0.26	0.25	0.25	0.24	0.21	0.23	0.24
Michigan	0.21	0.21	0.27	0.25	0.25	0.25	0.25	0.25	0.26	0.27	0.26	0.31	0.39	0.50
Mississippi	0.19	0.19	0.18	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.21	0.22	0.23	0.30
Missouri	0.25	0.25	0.27	0.24	0.25	NA	0.25	0.29	0.14	0.25	0.25	0.25	0.25	0.31
Montana	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.10	0.10	0.12	0.12	0.24	0.25
Nebraska	0.18	0.18	0.19	0.15	0.15	0.16	0.17	0.18	0.17	0.17	0.18	0.18	0.18	0.34
New Mexico	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.15	0.19	0.24	0.31
New York	0.31	0.28	0.30	0.31	0.31	0.31	0.31	0.32	0.30	0.30	0.30	0.33	0.35	0.55
North Dakota	0.18	0.14	0.19	0.22	0.16	0.16	0.16	0.17	0.16	0.16	0.17	0.17	0.20	0.20
Ohio	0.21	0.26	0.24	0.24	0.24	0.24	0.24	0.25	0.26	0.27	0.34	0.39	0.43	0.48
Oklahoma	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.16	0.16	0.16	0.19	0.28
Oregon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pennsylvania	0.32	0.27	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.30	0.42	0.44
South Dakota	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee	0.18	0.19	0.19	0.19	0.19	NA	0.19	0.19	0.20	0.20	0.22	0.30	0.33	0.36
Texas	0.11	0.12	0.13	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.16	0.16	0.20	0.31
Utah	0.18	0.17	0.18	0.14	0.13	0.13	0.13	0.16	0.15	0.15	0.17	0.17	0.19	0.41
Virginia	0.27	0.21	0.23	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.32	0.33	0.51
West Virginia	0.26	0.28	0.27	0.25	0.24	0.24	0.24	0.26	0.27	0.25	0.26	0.30	0.31	0.33
Wyoming	0.12	0.15	0.14	0.13	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.18	0.25
Total U.S.	**0.15**	**0.16**	**0.16**	**0.15**	**0.16**	**0.16**	**0.16**	**0.16**	**0.17**	**0.17**	**0.18**	**0.19**	**0.22**	**0.30**

U.S. Natural Gas Wellhead Prices
Dollars per thousand cubic feet

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Alabama	0.87	0.99	1.47	1.50	2.04	3.19	4.77	3.44	4.28	3.73	3.71	2.89	2.97	2.65
Alaska	0.30	0.39	0.40	0.52	0.52	0.73	0.62	0.63	0.73	0.73	0.74	0.50	0.94	1.27
Arizona	0.28	0.28	0.34	0.37	0.41	NA	NA	2.59	3.08	2.90	2.80	2.10	NA	NA
Arkansas	0.35	0.53	0.59	0.75	0.96	0.70	1.81	2.13	2.29	2.54	2.55	2.51	2.29	NA
California	0.70	0.94	1.17	1.36	1.71	3.13	2.57	3.09	3.57	3.80	3.36	2 89	2.37	2.39
Colorado	0.26	0.48	0.81	0.84	1.41	1.47	1.97	3.17	3.38	3.43	2.90	2.05	1.76	1.59
Florida	0.97	0.98	1.09	1.39	1.57	1.73	2.71	2.46	2.33	2.57	2.43	1.20	1.68	1.53
Illinois	0.70	0.99	1.20	1.29	1.86	1.90	2.47	2.62	2.84	2.78	2.77	2.57	2.24	2.19
Indiana	0.39	0.52	0.69	0.71	1.05	1.35	2.08	1.55	2.09	3.38	2.51	1.23	1.71	1.57
Kansas	0.17	0.42	0.49	0.57	0.76	0.77	0.92	1.51	1.57	1.49	1.27	1.21	1.15	1.36
Kentucky	0.54	0.55	0.55	0.58	0.95	0.89	1.01	1.52	1.51	1.70	2.39	1.88	1.82	2.56
Louisiana	0.42	0.46	0.70	0.84	1.12	1.61	2.07	2.60	2.67	2.73	2.66	2.21	1.78	1.81
Maryland	0.27	0.32	0.39	0.61	1.04	0.46	0.48	0.78	0.55	0.55	0.59	0.65	0.55	0.93
Michigan	0.63	0.90	1.01	1.20	1.74	2.36	2.86	3.19	3.58	3.76	3.60	3.60	3.24	3.18
Mississippi	0.50	0.71	0.73	1.15	1.60	2.32	3.21	3.91	3.78	3.47	3.17	2.13	1.94	1.86
Missouri	0.34	0.35	0.42	NA	NA	NA	NA	NA	NA	2.46	3.50	3.75	3.75	3.75
Montana	0.43	0.45	0.72	0.85	1.21	1.45	1.91	2.15	2.41	3.75	2.39	2.05	1.80	1.70
Nebraska	0.54	0.51	0.65	0.68	0.85	0.83	1.45	1.99	2.93	2.24	3.01	2.82	2.42	2.66
New Mexico	0.41	0.57	0.81	0.99	1.37	1.76	2.13	2.47	2.68	2.71	2.62	1.87	1.66	NA
New York	0.74	1.13	1.16	1.19	1.27	1.95	2.67	3.75	3.85	4.00	3.37	3.39	2.00	2.30
North Dakota	0.23	0.34	0.35	0.46	1.28	1.19	1.94	2.30	2.27	2.26	1.90	1.35	1.30	2.00
Ohio	0.71	1.02	1.40	1.57	1.81	1.98	2.17	2.71	3.24	3.19	3.08	2.84	2.58	2.55
Oklahoma	0.32	0.50	0.79	0.90	1.12	1.51	1.88	2.74	2.83	2.72	2.47	1.71	1.47	1.55
Oregon	NA	NA	0.00	0.00	2.13	2.40	2.60	3.33	3.33	2.78	2.40	2.00	1.45	1.60
Pennsylvania	0.68	0.69	0.80	0.86	1.33	2.13	2.33	2.80	3.00	3.25	3.16	2.50	2.25	2.15
South Dakota	NA	NA	0.00	0.00	2.11	NA	2.75	3.08	3.37	3.67	2.51	2.46	2 71	1.95
Tennessee	0.43	0.71	0.74	1.64	1.70	1.76	2.55	3.00	2.50	3.50	2.48	1.78	1.31	1.50
Texas	0.52	0.72	0.90	1.00	1.23	1.57	1.87	2.17	2.36	2.45	2.33	1.65	1.47	1.51
Utah	0.48	0.51	0.61	0.64	0.72	1.12	1.10	3.06	3.40	4.08	3.52	2.90	1.88	2.39
Virginia	0.52	1.14	1.26	1.31	1.68	2.85	2.15	3.69	3.30	3.00	3.02	2.45	2.08	2.08
West Virginia	0.37	0.57	0.61	0.66	1.05	3.00	3.00	3.20	3.10	3.45	3.85	3.90	3.85	3.05
Wyoming	0.34	0.41	0.64	0.79	1.13	1.92	2.77	3.22	3.18	3.32	3.01	2.52	1.76	1.53
Total U.S.	**0.45**	**0.58**	**0.79**	**0.91**	**1.18**	**1.59**	**1.98**	**2.46**	**2.59**	**2.66**	**2.51**	**1.94**	**1.67**	**1.69**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, State Conservation Agencies, Energy Information Administration

U.S. Average Natural Gas Price
by End Use Sector
Dollars per million cubic feet

	Lease & Plant Fuel	Pipeline Fuel	Residential Consumption	Commercial Consumption	Industrial Consumption	Electric Utilities Consumption	Average for all Consumption
1967	0.15	0.20	1.04	0.74	0.34	0.28	**0.53**
1968	0.16	0.20	1.04	0.73	0.34	0.22	**0.51**
1969	0.18	0.21	1.05	0.74	0.35	0.27	**0.53**
1970	0.18	0.21	1.09	0.77	0.37	0.29	**0.55**
1971	0.19	0.22	1.15	0.82	0.41	0.32	**0.59**
1972	0.20	0.23	1.21	0.88	0.45	0.34	**0.63**
1973	0.21	0.25	1.29	0.94	0.50	0.38	**0.73**
1974	0.51	0.30	1.43	1.07	0.67	0.51	**0.89**
1975	0.47	0.40	1.71	1.35	0.96	0.77	**1.19**
1976	0.57	0.51	1.98	1.64	1.24	1.06	**1.47**
1977	0.71	0.77	2.35	2.04	1.50	1.32	**1.78**
1978	0.79	0.90	2.56	2.23	1.70	1.48	**1.98**
1979	1.06	1.32	2.98	2.73	1.99	1.81	**2.34**
1980	1.43	1.85	3.68	3.39	2.56	2.27	**2.91**
1981	1.93	2.39	4.29	4.00	3.14	2.89	**3.51**
1982	2.23	2.97	5.17	4.82	3.87	3.48	**4.32**
1983	2.54	3.15	6.06	5.59	4.18	3.58	**4.82**
1984	2.71	3.04	6.12	5.55	4.22	3.70	**4.85**
1985	2.37	2.92	6.12	5.50	3.95	3.55	**4.72**
1986	2.02	2.52	5.83	5.08	3.23	2.43	**4.13**
1987	NA	2.17	5.54	4.77	2.94	2.32	**4.05**
1988	NA	NA	5.47	4.63	2.95	2.34	**4.09**
1989	NA	NA	5.63	4.78	2.93	2.43	**4.19**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Price* of Natural Gas for Residential Use
Dollars per thousand cubic feet

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988+
Australia	3.67	3.82	4.13	4.56	4.53	4.63	5.00	4.18	4.30	5.04	5.93
Austria	NA	11.70	13.04	13.20	13.62	12.93	12.30	8.91	11.24	8.93	8.75
Belgium	5.59	6.09	7.64	8.28	8.43	8.08	7.82	7.90	8.70	8.24	8.22
Canada	2.50	2.39	2.68	3.34	3.80	4.46	4.31	4.16	3.87	4.18	4.41
Denmark	NA	NA	NA	NA	NA	NA	8.61	8.87	11.72	15.75	14.88
Finland	2.28	2.44	4.60	5.35	4.67	4.39	4.04	3.96	3.50	3.35	3.29
France	6.87	7.62	9.86	9.68	9.74	9.17	8.48	8.96	10.84	10.38	10.30
Germany, West	5.91	6.57	7.99	7.75	8.47	7.97	7.18	7.19	8.92	7.63	NA
Ireland	NA	NA	NA	18.57	16.37	11.81	9.72	10.18	13.17	13.42	NA
Italy	4.02	5.02	5.01	4.98	6.90	8.23	7.50	7.62	8.30	9.18	NA
Japan	11.64	11.36	14.72	16.45	14.61	15.21	15.19	15.26	19.90	21.50	23.28
Netherlands	3.92	4.24	5.40	5.58	6.08	6.05	5.74	5.87	7.78	6.77	6.70
New Zealand	4.54	5.00	5.54	5.45	4.92	4.39	3.14	2.75	3.41	4.69	NA
Spain	5.35	8.12	12.12	11.45	10.23	9.53	9.27	9.85	12.87	10.96	11.49
Switzerland	18.82	20.24	21.10	20.60	19.93	19.27	17.22	16.46	22.50	27.14	27.66
United Kingdom	3.43	3.93	5.25	5.54	5.89	5.68	5.17	5.23	5.73	6.64	NA
United States	2.56	2.98	3.93	4.22	5.11	6.19	6.38	6.42	6.08	5.56	5.49

* Includes taxes

+ 1988 is most current data available in Oil & Gas Journal Energy Database.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

U.S. Average Unleaded Motor Gasoline Price
Excluding Tax
Cents per gallon

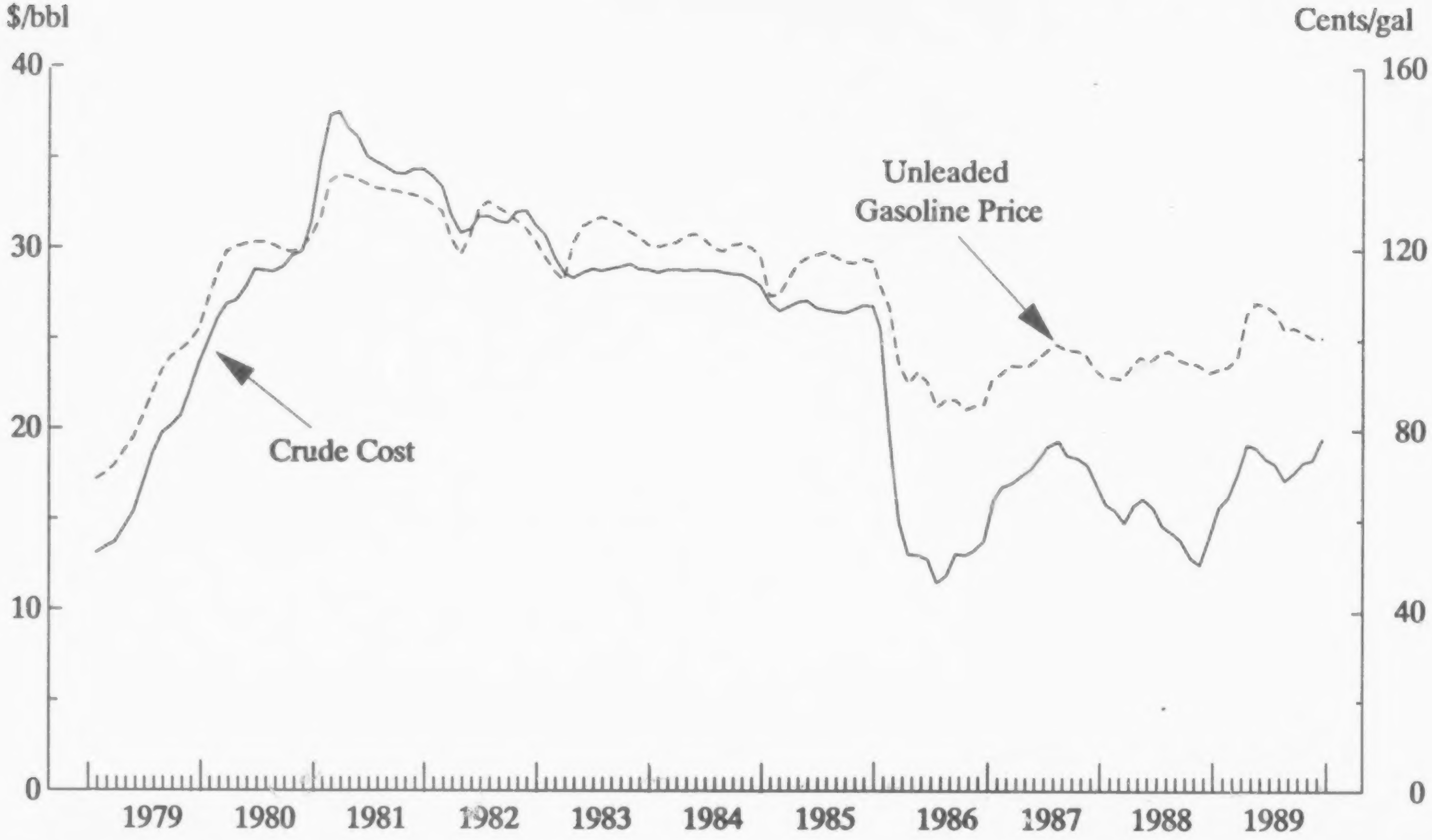
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1977	48.7	49.3	50.6	51.5	52.1	52.6	52.5	52.3	51.9	51.6	51.6	51.2	**51.3**
1978	51.0	50.6	50.8	51.4	52.7	53.5	54.4	54.9	55.6	55.4	56.4	57.0	**53.6**
1979	57.6	58.8	60.7	63.8	66.9	71.4	76.7	81.3	84.5	86.0	87.8	90.7	**73.8**
1980	97.0	103.2	107.9	108.9	109.6	109.9	109.9	109.2	108.1	107.8	108.5	110.2	**107.5**
1981	114.5	122.2	123.9	123.5	122.8	121.7	120.8	120.4	120.1	118.8	118.2	117.6	**120.4**
1982	116.2	114.6	108.8	105.4	109.1	114.9	116.1	114.7	113.5	111.9	110.1	107.5	**111.9**
1983	103.9	100.8	98.6	101.6	105.0	106.1	106.7	105.7	104.8	103.2	102.0	100.3	**103.2**
1984	99.9	100.3	100.7	102.2	102.5	101.3	99.3	98.5	99.8	100.1	99.3	97.2	**100.1**
1985	88.3	88.6	91.9	95.8	97.1	97.6	97.5	96.5	95.1	94.8	95.7	95.1	**94.5**
1986	89.5	84.8	72.8	68.3	70.7	68.6	62.7	64.4	64.4	62.2	62.9	63.3	**69.6**
1987	68.2	69.5	71.4	71.4	71.3	72.6	74.3	75.7	74.2	74.0	73.2	69.8	**72.1**
1988	68.3	68.0	67.7	70.7	72.3	71.0	73.0	73.4	71.8	71.0	70.7	68.6	**70.5**
1989	69.4	69.9	72.0	81.3	83.8	83.0	81.2	77.2	77.8	76.7	75.4	75.6	**76.9**

U.S. Average Unleaded Motor Gasoline Price
Pump Price
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1977	60.0	60.8	61.9	62.7	63.4	63.9	63.8	63.6	63.2	63.0	63.0	62.6	**62.7**
1978	62.3	62.0	62.2	62.8	64.0	64.9	65.8	66.3	67.0	66.8	67.8	68.4	**65.0**
1979	69.0	70.2	72.1	75.2	78.4	82.9	88.2	92.8	96.2	97.6	99.3	102.2	**85.3**
1980	108.5	114.7	119.4	120.5	121.1	121.4	121.4	120.8	119.7	119.3	120.2	122.6	**119.1**
1981	127.0	134.8	136.5	136.0	135.4	134.3	133.4	133.0	132.8	132.2	131.8	131.1	**133.2**
1982	129.8	128.3	122.4	118.9	122.6	129.0	130.5	129.1	127.9	126.3	124.5	121.8	**125.9**
1983	118.3	115.2	113.1	121.3	125.0	126.2	127.1	126.3	125.4	123.8	122.7	120.9	**122.1**
1984	120.5	121.0	121.4	123.[illegible]	123.4	122.3	120.3	119.5	120.9	121.2	120.4	118.6	**121.0**
1985	109.7	110.2	113.6	117.5	118.9	119.5	119.3	118.4	117.2	116.9	117.8	117.3	**116.4**
1986	111.7	106.9	94.7	90.2	92.7	90.6	84.9	86.6	86.5	84.3	85.2	85.5	**91.7**
1987	90.9	92.3	94.3	94.3	94.3	95.9	97.7	99.0	97.9	97.7	96.9	93.5	**95.4**
1988	92.0	91.7	91.5	94.5	96.2	95.0	97.0	97.5	95.8	95.0	94.7	92.6	**94.5**
1989	93.4	93.9	96.0	105.5	108.1	170.6	106.0	102.0	102.6	101.5	100.2	100.4	**106.7**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Refiner's Acquisition Cost of Crude Oil and Motor Gasoline Price



Source: EIA, OGJ

U.S. Average Gasoline Prices by Grade
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1981													
Leaded Regular	123.8	132.1	135.2	134.4	133.3	132.4	131.5	131.0	130.5	129.9	129.7	129.3	**131.1**
Unleaded Regular	129.8	138.2	141.7	141.2	140.0	139.1	138.2	137.6	137.6	137.1	136.9	136.5	**137.8**
Unleaded Premium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**NA**
Average All Grades*	**126.9**	**135.6**	**138.8**	**138.1**	**137.0**	**136.2**	**135.3**	**134.8**	**135.8**	**135.3**	**135.1**	**134.8**	**135.3**
1982													
Leaded Regular	128.5	126.0	120.6	114.8	116.6	124.2	126.3	125.4	123.6	121.9	120.7	118.1	**122.2**
Unleaded Regular	135.8	133.4	128.4	122.5	123.7	130.9	133.1	132.3	130.8	129.5	128.3	126.0	**129.6**
Unleaded Premium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**NA**
Average All Grades*	**134.1**	**131.8**	**126.8**	**121.0**	**122.4**	**129.6**	**131.8**	**131.0**	**129.5**	**128.0**	**126.8**	**124.4**	**128.1**
1983													
Leaded Regular	114.6	109.9	106.4	113.1	117.7	119.7	120.7	120.3	118.9	117.2	115.6	114.6	**115.7**
Unleaded Regular	122.8	118.7	115.1	121.5	125.9	127.7	128.8	128.5	127.4	125.5	124.[illegible]	123.1	**124.1**
Unleaded Premium	137.6	133.8	130.8	136.0	139.7	141.1	142.1	141.9	141.0	139.5	138.4	137.6	**138.3**
Average All Grades*	**121.3**	**117.0**	**113.5**	**119.8**	**124.3**	**126.1**	**127.2**	**126.9**	**125.7**	**123.9**	**122.4**	**121.5**	**122.5**
1984													
Leaded Regular	113.1	112.5	112.5	114.5	115.4	114.7	112.9	111.6	112.0	112.7	112.4	110.9	**112.9**
Unleaded Regular	121.6	120.9	121.0	122.7	123.6	122.9	121.2	119.6	120.3	120.9	120.7	119.3	**121.2**
Unleaded Premium	136.9	136.1	136.2	137.5	138.0	137.7	137.0	135.5	136.0	136.5	136.4	135.4	**136.6**
Average All Grades*	**120.0**	**119.3**	**119.4**	**121.1**	**122.1**	**121.4**	**119.7**	**118.4**	**118.9**	**119.5**	**119.3**	**117.9**	**119.8**
1985													
Leaded Regular	106.0	104.1	107.1	111.9	114.4	115.3	115.4	114.3	112.9	111.7	112.3	112.3	**111.5**
Unleaded Regular	114.8	113.1	115.9	120.5	123.1	124.1	124.2	122.9	121.6	120.4	120.7	120.8	**120.2**
Unleaded Premium	130.4	129.0	131.0	134.0	136.0	137.1	136.7	135.9	134.9	134.2	133.9	134.4	**134.0**
Average All Grades*	**114.5**	**112.8**	**115.5**	**119.9**	**122.3**	**123.3**	**123.3**	**122.2**	**120.9**	**119.8**	**120.1**	**120.3**	**119.6**
1986													
Leaded Regular	110.7	103.4	89.4	81.5	85.2	88.5	82.2	77.8	79.7	77.1	76.2	76.4	**85.7**
Unleaded Regular	119.4	112.0	98.1	88.8	92.3	95.5	89.0	84.3	86.0	83.1	82.1	82.3	**92.7**
Unleaded Premium	133.6	128.2	116.0	106.1	107.5	110.0	104.5	99.9	101.0	98.7	98.0	98.4	**108.5**
Average All Grades*	**119.0**	**119.9**	**98.3**	**89.5**	**92.7**	**95.8**	**89.5**	**84.8**	**86.4**	**83.7**	**82.7**	**83.0**	**93.8**
1987													
Leaded Regular	80.6	84.8	85.6	87.9	88.8	90.6	92.1	94.6	94.0	93.1	92.8	91.2	**89.7**
Unleaded Regular	86.2	90.5	91.2	93.4	[illegible]4.1	95.8	97.1	99.5	99.0	97.6	97.6	96.1	**94.8**
Unleaded Premium	100.7	104.7	105.2	107.3	107.9	109.8	111.5	113.9	113.6	112.8	112.5	111.9	**109.3**
Average All Grades*	**86.8**	**91.1**	**91.8**	**94.0**	**94.8**	**96.6**	**98.0**	**100.4**	**100.0**	**98.8**	**98.7**	**97.5**	**95.7**
1988													
Leaded Regular	88.1	85.9	85.0	88.3	91.1	91.0	92.3	94.5	93.3	91.0	90.4	88.5	**90.0**
Unleaded Regular	93.3	91.3	90.4	93.0	95.5	95.5	96.7	98.7	97.4	95.6	94.9	93.0	**94.6**
Unleaded Premium	109.5	108.2	107.4	108.8	110.5	111.1	112.3	113.8	113.0	111.9	111.6	110.1	**110.7**
Average All Grades*	**94.7**	**92.8**	**92.0**	**94.6**	**97.0**	**97.1**	**98.4**	**100.4**	**99.2**	**97.5**	**97.2**	**95.3**	**96.4**
1989													
Leaded Regular	87.6	88.6	90.7	104.7	109.8	109.3	107.5	103.4	100.7	100.1	97.5	96.1	**99.7**
Unleaded Regular	91.8	92.6	94.0	106.5	111.9	111.4	109.2	105.7	102.9	102.7	99.9	98.0	**102.2**
Unleaded Premium	109.1	110.0	111.5	122.1	127.8	127.8	126.4	123.3	121.3	120.9	118.7	117.0	**119.7**
Average All Grades*	**94.4**	**95.5**	**97.4**	**109.8**	**115.2**	**115.0**	**113.2**	**109.6**	**107.3**	**107.1**	**104.6**	**103.0**	**106.0**

* Weighted average. Also includes gasoline types not listed separately.

Data from Oil & Gas Energy Database.
Source: Bureau of Labor Statistics

U.S. Average Wholesale Product Prices

Distillate
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	73.5	76.4	76.7	77.0	77.6	78.3	78.6	78.7	78.5	79.3	80.8	83.2	**78.2**
1981	89.2	97.3	100.4	100.1	99.5	98.2	97.7	97.3	96.6	96.3	96.6	97.2	**97.2**
1982	96.6	92.1	87.7	85.5	89.2	93.4	93.4	91.7	91.2	95.4	97.1	90.1	**91.9**
1983	84.6	79.8	74.4	75.7	80.3	80.1	80.0	80.9	83.3	81.9	81.1	78.6	**80.1**
1984	82.4	85.3	79.4	79.8	81.3	81.0	78.1	77.0	78.1	79.3	77.9	75.8	**79.6**
1985	73.8	73.5	75.8	79.6	78.1	73.2	70.0	71.7	76.6	81.0	84.9	81.7	**76.7**
1986	70.6	53.2	48.2	45.6	43.6	37.7	33.0	41.1	41.3	40.0	41.4	43.2	**44.9**
1987	48.7	48.2	48.9	48.8	51.5	52.2	54.4	55.4	54.1	57.9	56.3	50.4	**52.2**
1988	49.5	48.2	47.6	50.8	50.8	47.0	43.0	44.1	43.0	40.0	42.8	46.6	**46.1**
1989	51.3	52.4	56.4	57.3	51.4	48.8	49.0	51.7	58.6	61.6	61.1	72.6	**56.0**

Kerosine
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	75.9	78.6	79.1	79.1	79.6	80.6	80.8	80.6	80.4	81.3	82.6	84.6	**80.3**
1981	91.6	100.7	103.1	102.9	102.2	101.3	100.6	100.2	99.5	99.2	99.3	100.1	**100.0**
1982	100.9	97.7	93.0	90.8	94.7	98.7	98.7	97.4	96.5	100.5	102.3	95.2	**97.2**
1983	89.6	85.0	79.4	80.5	85.3	84.9	85.0	86.2	88.4	87.0	86.6	83.6	**85.1**
1984	87.6	90.5	84.5	84.8	86.3	86.2	83.3	82.1	83.2	84.4	83.1	81.1	**84.8**
1985	78.9	78.6	80.9	84.7	83.2	78.3	75.1	76.8	81.6	86.0	89.8	86.5	**81.7**
1986	75.7	58.6	53.1	50.7	48.4	42.8	38.0	46.2	46.3	45.0	46.3	48.1	**49.9**
1987	53.4	52.8	53.5	53.2	55.7	56.5	58.8	59.9	58.7	62.5	61.0	55.2	**56.8**
1988	53.6	52.5	52.4	55.4	55.4	51.6	47.6	48.7	47.7	44.8	47.7	51.2	**50.7**
1989	56.2	57.2	61.2	61.8	55.9	53.6	54.1	56.3	63.2	66.5	66.0	77.3	**60.8**

Residual Fuel
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980	43.0	43.4	41.8	39.0	37.9	37.9	40.9	44.1	45.1	47.0	52.6	60.6	**44.4**
1981	61.5	65.0	64.9	64.8	64.4	60.7	59.1	58.1	58.4	58.9	59.5	58.9	**61.2**
1982	58.0	56.9	55.7	55.5	57.0	58.1	58.3	56.4	58.3	59.0	62.0	58.5	**57.8**
1983	57.3	55.8	55.2	55.7	56.9	56.9	57.3	57.9	58.6	58.8	58.8	58.4	**57.3**
1984	58.7	59.4	58.7	59.5	59.7	60.1	59.3	58.2	58.8	59.0	59.1	59.2	**59.1**
1985	59.3	59.5	59.3	58.4	56.0	53.6	54.2	54.0	55.4	55.8	56.0	55.5	**56.4**
1986	53.2	44.3	40.0	36.2	32.9	30.8	28.5	28.5	33.2	34.3	35.2	37.9	**36.2**
1987	44.8	44.6	41.7	44.0	45.1	45.3	46.9	47.2	46.1	46.5	46.2	44.5	**45.2**
1988	44.5	44.3	42.2	37.1	38.6	38.2	36.6	37.6	36.7	34.7	36.2	37.8	**38.7**
1989	36.4	39.2	39.4	42.4	42.4	40.8	39.7	39.4	40.3	41.4	42.1	47.1	**40.9**

Data from Oil & Gas Journal Energy Database.
Source: Independent Petroleum Association of America

U.S. Average Retail Product Prices

#2 Heating Oil (Distillate)
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1983	92.0	87.1	80.6	80.2	82.5	82.0	82.3	83.3	85.2	84.7	84.5	92.1	**84.7**
1984	97.7	104.6	94.7	91.9	90.9	86.9	84.3	82.8	84.3	87.3	87.7	88.1	**90.1**
1985	87.0	86.1	86.0	85.8	82.2	77.8	72.4	74.4	81.1	85.2	91.3	92.3	**83.5**
1986	87.1	69.9	63.0	55.0	50.0	44.4	38.4	43.8	46.1	44.8	48.3	51.5	**53.5**
1987	58.3	58.9	55.1	55.0	54.7	54.7	56.6	57.9	56.3	60.7	63.2	63.0	**57.9**
1988	62.1	60.0	57.6	58.5	57.6	49.3	46.3	47.7	48.3	48.0	51.5	58.1	**53.8**
1989	58.3	55.9	57.7	59.4	54.5	50.2	51.9	51.9	57.2	61.6	62.6	76.2	**58.1**

#6 Residual Fuel Oil
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1979	33.6	35.0	38.0	39.5	40.9	42.8	47.4	48.4	49.8	51.4	54.4	58.2	**44.9**
1980	62.4	63.0	60.3	54.5	56.5	57.4	56.8	59.5	60.3	63.5	71.7	77.0	**61.9**
1981	80.1	85.8	86.0	82.6	81.2	73.9	72.8	72.7	72.2	72.2	71.8	73.6	**77.1**
1982	68.8	69.1	67.4	65.1	66.7	68.8	68.1	66.2	66.3	68.1	70.0	66.4	**67.6**
1983	64.2	62.0	60.9	61.0	63.2	64.7	65.9	67.7	69.0	68.7	67.4	67.2	**65.2**
1984	69.0	70.4	68.5	69.1	69.5	71.0	69.0	67.1	67.5	67.8	67.9	67.7	**68.7**
1985	68.4	68.7	67.2	64.1	59.5	55.6	56.4	55.8	58.6	58.3	56.8	58.2	**60.6**
1986	57.1	45.8	39.0	33.0	30.1	29.8	25.9	26.5	29.8	30.1	31.2	34.7	**34.4**
1987	41.9	41.2	40.0	41.9	43.3	44.8	46.4	45.0	41.7	41.9	42.1	37.9	**42.3**
1988	36.7	35.6	32.9	32.4	33.8	33.6	32.3	33.2	32.1	30.5	32.3	34.3	**33.3**
1989	36.3	34.9	36.8	41.2	41.3	39.6	38.9	37.1	37.1	39.5	40.0	46.4	**39.1**

Consumer Grade Propane
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1982	57.8	57.7	57.3	57.3	57.8	57.7	55.1	56.7	59.9	60.7	63.2	64.2	**58.8**
1983	72.7	71.7	68.1	68.6	72.2	67.3	66.4	68.9	74.9	69.6	72.8	76.4	**70.8**
1984	76.8	76.3	76.4	76.5	70.4	70.6	69.6	71.9	73.4	74.1	73.8	70.0	**73.3**
1985	78.8	76.1	74.6	75.7	70.5	66.8	62.9	62.9	63.8	69.7	72.2	75.2	**70.8**
1986	77.8	71.4	75.1	75.9	73.1	73.5	70.2	68.4	70.4	69.8	69.6	72.0	**72.3**
1987	73.3	74.1	72.5	71.4	71.2	65.8	64.6	67.4	66.6	65.4	71.1	71.7	**69.6**
1988	72.7	75.2	73.1	68.9	73.1	69.5	70.7	68.8	69.9	69.4	71.5	73.5	**71.4**
1989	66.2	64.1	61.8	55.3	52.7	56.6	60.6	59.8	60.1	59.9	58.4	74.6	**60.8**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Average Retail Product Prices

Kerosine
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1976	37.2	35.6	35.2	35.1	34.9	32.7	33.6	34.9	35.8	37.4	37.4	38.4	**35.7**
1977	39.2	39.1	39.3	40.8	39.6	39.5	37.8	38.8	39.3	41.0	42.6	42.6	**40.0**
1978	41.4	40.6	41.2	44.1	42.9	40.6	41.9	42.2	42.6	46.3	45.8	44.8	**42.9**
1979	46.8	48.8	50.4	52.8	54.1	58.6	61.4	64.6	71.7	73.3	73.8	74.7	**60.9**
1980	79.1	83.6	89.1	88.8	89.2	90.3	88.8	88.9	91.0	91.8	97.6	102.3	**90.0**
1981	106.6	118.3	119.1	117.8	113.7	111.1	110.3	113.4	113.9	112.6	112.2	111.9	**113.4**
1982	111.0	110.5	112.0	102.9	104.9	109.2	108.8	101.7	102.5	107.5	113.7	108.0	**107.7**
1983	104.0	101.4	97.2	93.4	93.8	90.0	89.0	90.8	92.7	98.9	100.0	96.6	**95.7**
1984	106.8	117.9	111.3	105.8	102.4	94.3	90.6	92.8	99.2	102.7	106.1	101.4	**102.6**
1985	106.0	103.7	103.1	101.0	94.1	88.2	86.0	89.9	96.0	100.4	106.7	111.5	**98.9**
1986	105.4	93.4	85.0	79.4	67.2	49.3	48.2	62.5	75.1	69.5	74.5	76.8	**73.9**
1987	82.8	80.4	82.0	78.2	66.8	59.8	60.4	60.1	76.6	78.8	82.7	87.9	**74.7**
1988	84.1	84.7	77.5	82.2	77.5	55.4	56.0	56.3	66.1	71.8	71.1	74.1	**71.4**
1989	71.4	72.2	67.6	66.2	59.7	53.9	55.3	58.0	66.8	73.6	77.7	89.7	**67.7**

Kerosine Type Jet Fuel
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1977	33.2	34.1	34.6	34.9	35.1	35.7	35.8	36.0	37.0	37.3	37.5	37.8	**35.8**
1978	38.5	38.2	38.4	38.5	38.6	38.9	38.9	39.3	39.3	39.3	39.4	39.5	**38.9**
1979	40.1	40.2	41.3	45.4	48.4	50.9	58.2	60.8	65.9	68.4	69.7	72.3	**55.1**
1980	77.0	83.0	86.3	87.4	87.6	88.6	89.7	90.7	88.8	88.7	91.0	91.6	**87.5**
1981	95.7	101.6	106.3	106.4	106.2	104.8	103.8	103.3	103.3	101.1	102.6	102.2	**103.1**
1982	101.0	100.4	99.0	96.2	94.9	94.7	94.7	94.8	94.5	95.2	95.8	95.0	**96.4**
1983	94.5	92.6	90.6	88.8	87.8	86.3	85.6	85.5	86.1	86.0	85.8	85.5	**87.9**
1984	85.8	86.5	85.6	85.1	85.2	84.5	84.1	83.4	83.1	83.2	82.4	82.2	**84.3**
1985	81.4	80.9	80.4	80.1	79.5	78.6	78.2	77.7	78.1	78.8	80.1	80.9	**79.6**
1986	80.5	77.9	69.0	57.3	51.9	48.2	43.4	41.0	41.4	41.6	42.4	42.9	**53.1**
1987	45.9	49.2	50.0	51.0	52.4	53.4	55.7	58.2	58.3	59.5	59.9	58.2	**54.3**
1988	56.2	54.8	53.9	52.1	53.0	52.7	50.3	49.1	48.4	46.3	47.5	51.1	**51.3**
1989	56.2	57.0	57.9	60.6	58.1	56.1	54.7	55.1	58.9	63.8	64.4	68.2	**59.3**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Spot Market Product Prices
New York Harbor
Dollars per barrel

	Leaded Gasoline	Unleaded Gasoline	Gas Oil/ Heating Oil	Residual Fuel Oil		Leaded Gasoline	Unleaded Gasoline	Gas Oil/ Heating Oil	Residual Fuel Oil
1980					**1985**				
1st Qtr.	42.55	NA	31.42	23.83	1st Qtr.	30.88	NA	32.39	28.63
2nd Qtr.	42.21	NA	32.68	21.13	2nd Qtr.	34.34	NA	31.01	23.93
3rd Qtr.	37.15	NA	31.96	24.25	3rd Qtr.	32.85	NA	30.91	23.74
4th Qtr.	40.20	NA	36.08	31.15	4th Qtr.	32.70	NA	35.43	24.23
1981					**1986**				
1st Qtr.	43.19	NA	41.82	35.78	1st Qtr.	22.54	22.16	25.17	18.32
2nd Qtr.	41.85	NA	38.81	29.49	2nd Qtr.	20.73	20.21	17.88	12.96
3rd Qtr.	42.53	NA	39.22	28.22	3rd Qtr.	17.50	16.68	16.03	11.56
4th Qtr.	41.41	NA	41.42	29.41	4th Qtr.	18.50	17.51	17.61	13.81
1982					**1987**				
1st Qtr.	36.87	NA	37.00	28.03	1st Qtr.	NA	20.70	20.82	17.62
2nd Qtr.	40.52	NA	38.32	28.48	2nd Qtr.	NA	22.34	21.37	18.51
3rd Qtr.	39.67	NA	38.67	27.90	3rd Qtr.	NA	22.47	22.28	18.59
4th Qtr.	37.23	NA	38.77	28.54	4th Qtr.	NA	21.16	23.24	16.76
1983					**1988**				
1st Qtr.	34.77	NA	32.40	25.52	1st Qtr.	NA	18.94	20.59	14.52
2nd Qtr.	37.21	NA	33.97	27.21	1st Qtr.	NA	21.63	20.70	13.93
3rd Qtr.	36.34	NA	34.73	28.86	1st Qtr.	NA	22.57	19.11	14.79
4th Qtr.	33.11	NA	33.49	28.28	1st Qtr.	NA	21.01	19.25	14.13
1984					**1989**				
1st Qtr.	34.05	NA	36.25	29.99	1st Qtr.	NA	21.74	22.88	15.94
2nd Qtr.	33.41	NA	34.66	29.45	1st Qtr.	NA	28.16	21.36	17.72
3rd Qtr.	32.23	NA	32.51	28.43	1st Qtr.	NA	23.58	21.80	15.96
4th Qtr.	30.18	NA	31.86	28.71	1st Qtr.	NA	22.46	27.91	18.96

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Motor Gasoline and Residential Heating Oil Prices Current and Constant Dollars Cents per gallon, including tax

	Motor Gasoline* Current $	Residential Heating Oil+ Current $	Consumer Price Index 1982-84=100	Motor Gasoline* Constant $	Residential Heating Oil+ Constant $
1918	25.1	NA	15.1	166.8	NA
1919	25.5	NA	17.3	147.3	NA
1920	29.8	NA	20.0	148.9	NA
1921	26.3	NA	17.9	147.0	NA
1922	25.2	NA	16.8	150.3	NA
1923	22.0	NA	17.1	128.8	NA
1924	21.0	NA	17.1	122.5	NA
1925	22.2	NA	17.5	126.6	NA
1926	23.4	NA	17.7	132.1	NA
1927	21.1	NA	17.4	121.5	NA
1928	20.9	NA	17.1	122.3	NA
1929	21.4	NA	17.1	125.1	NA
1930	20.0	NA	16.7	119.5	NA
1931	17.0	NA	15.2	111.5	NA
1932	17.9	NA	13.7	131.3	NA
1933	17.8	NA	13.0	137.6	NA
1934	18.9	NA	13.4	140.8	NA
1935	18.8	NA	13.7	137.2	NA
1936	19.5	NA	13.9	140.4	NA
1937	20.0	NA	14.4	139.2	NA
1938	19.5	NA	14.1	138.5	NA
1939	18.8	NA	13.9	135.0	NA
1940	18.4	NA	14.0	131.3	NA
1941	19.2	NA	14.7	130.6	NA
1942	20.4	NA	16.3	125.4	NA
1943	20.5	NA	17.3	118.7	NA
1944	20.6	NA	17.6	117.0	NA
1945	20.5	NA	18.0	113.9	NA
1946	20.8	NA	19.5	106.3	NA
1947	23.1	NA	22.3	103.5	NA
1948	25.9	NA	24.1	107.5	NA
1949	26.8	NA	23.8	112.4	NA
1950	26.8	NA	24.1	111.2	NA
1951	27.2	NA	26.0	104.5	NA
1952	27.6	NA	26.6	103.6	NA
1953	28.7	NA	26.8	107.1	NA
1954	29.0	NA	26.9	108.0	NA

Motor Gasoline and Residential Heating Oil Prices
Current and Constant Dollars
Cents per gallon, including tax

	Motor Gasoline* Current $	Residential Heating Oil+ Current $	Consumer Price Index 1982-84=100	Motor Gasoline* Constant $	Residential Heating Oil+ Constant $
1955	29.1	NA	26.8	108.6	NA
1956	29.9	15.2	27.2	110.1	55.9
1957	31.0	16.0	28.1	110.0	56.8
1958	30.4	15.1	28.9	105.1	52.2
1959	30.5	15.3	29.2	104.4	52.4
1960	31.1	15.0	29.6	105.1	50.6
1961	30.8	15.6	29.9	102.8	52.1
1962	30.6	15.6	30.3	101.3	51.6
1963	30.4	16.0	30.6	99.4	52.3
1964	30.4	16.1	31.0	97.8	51.9
1965	31.2	16.0	31.5	98.9	50.8
1966	32.1	16.4	32.5	98.8	50.5
1967	33.2	16.9	33.4	99.3	50.6
1968	33.7	17.4	34.8	96.9	50.0
1969	34.8	17.8	36.7	95.0	48.6
1970	35.7	18.5	38.8	91.9	47.6
1971	36.4	19.6	40.5	89.9	48.4
1972	36.1	19.7	41.8	86.4	47.1
1973	38.8	22.8	44.4	87.4	51.3
1974	52.4	36.0	49.3	106.3	73.0
1975	57.2	37.7	53.8	106.3	70.0
1976	59.5	40.6	56.9	104.5	71.3
1977	63.1	46.0	60.6	104.1	75.9
1978	65.7	49.0	65.2	100.7	75.1
1979	87.8	70.4	72.6	120.9	97.0
1980	119.1	97.4	82.4	144.5	118.2
1981	131.1	119.4	90.9	144.2	131.3
1982	122.2	116.0	96.5	126.6	120.2
1983	115.7	107.8	99.6	116.1	108.2
1984	112.9	109.1	103.9	108.7	105.0
1985	111.5	105.3	107.6	103.6	97.9
1986	85.7	83.6	109.7	78.1	76.2
1987	89.7	80.3	113.7	78.9	70.6
1988	89.9	81.3	118.4	75.9	68.7
1989	99.8	90.0	124.0	80.5	72.6

* Leaded regular.
+ #2 fuel oil.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration, Oil & Gas Journal, Texaco Inc., American Petroleum Institute

Motor Gasoline Price*
U.S. cents per gallon

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988+
Australia	79.87	105.61	131.35	154.45	149.15	149.15	157.47	138.93	131.73	144.23	157.47
Austria	182.46	213.12	254.00	249.46	250.60	233.18	215.77	217.66	236.21	277.85	274.44
Belgium	190.79	230.91	299.43	278.99	247.19	233.18	208.58	215.39	216.53	252.11	254.76
Canada @	70.03	73.44	84.42	113.18	136.65	147.25	148.39	145.36	131.35	141.20	153.69
Denmark	189.27	243.40	304.73	282.02	269.52	250.97	218.80	215.18	300.56	367.19	367.19
Finland	183.22	208.58	292.99	291.86	272.93	250.60	239.24	235.83	235.08	275.58	302.84
France	213.50	255.90	302.84	269.14	254.76	236.59	223.34	237.35	257.79	305.11	360.24
Germany, West	174.89	205.55	242.65	237.73	217.28	203.66	186.24	185.49	187.76	215.77	205.93
Greece	211.23	255.52	300.94	267.25	247.19	215.39	185.49	183.22	210.85	220.69	220.69
Ireland	145.36	176.02	249.08	257.79	275.58	277.85	255.52	265.74	300.56	331.60	334.63
Italy	222.96	246.43	309.27	295.26	288.45	292.24	277.85	261.95	324.79	379.30	395.58
Japan @	197.98	208.96	257.03	262.71	258.55	255.14	230.91	221.21	276.34	316.84	342.96
Luxembourg	NA	177.16	230.91	212.74	207.06	192.68	175.27	173.75	177.54	205.17	218.42
Netherlands	188.51	224.48	273.31	256.27	246.81	230.15	213.12	209.71	230.15	297.54	302.08
New Zealand	120.00	133.63	181.32	195.33	194.57	179.81	171.10	174.13	163.53	200.63	222.58
Norway	188.89	211.61	284.29	286.94	269.14	255.52	241.51	230.15	243.03	287.31	311.16
Portugal	224.10	255.52	328.95	315.33	286.94	269.90	244.92	242.65	288.07	310.03	313.06
Spain	182.84	221.45	285.04	274.82	244.54	226.75	218.80	207.06	221.83	238.86	246.81
Sweden	155.96	193.81	263.85	263.85	238.86	206.69	192.68	204.79	220.31	250.22	275.96
Switzerland	194.19	241.89	260.82	241.89	235.08	219.18	194.95	194.19	213.12	250.60	247.19
United Kingdom	121.13	177.16	249.08	256.[illegible]7	241.51	224.86	204.41	209.33	207.44	234.32	251.73
United States @	67.00	90.09	124.16	137.79	129.46	123.78	121.51	102.38	92.74	94.64	95.39

* Includes taxes.
+ 1988 is most current data available in Oil & Gas Journal Energy Database.
@ Unleaded regular gasoline. All other countries premium leaded gasoline.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Home Heating Oil Price*
U.S. cents per gallon

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988+
Australia	56.95	75.09	111.48	132.23	138.83	142.85	NA	NA	NA	NA	NA
Austria	NA	NA	NA	150.91	144.23	129.04	128.68	127.18	129.52	128.02	121.17
Belgium	59.62	88.66	125.33	120.91	121.37	103.68	100.56	104.33	72.08	76.59	68.51
Canada	41.29	43.82	53.19	73.20	88.10	97.79	99.28	103.38	86.80	81.50	94.62
Denmark	68.37	110.89	160.02	158.35	157.17	141.65	128.75	128.98	168.00	221.98	215.90
Finland	53.78	71.52	115.33	122.53	111.75	106.21	101.48	99.93	79.60	85.67	82.76
France	71.14	92.80	138.39	139.53	136.48	129.09	118.45	126.63	109.96	122.00	115.73
Germany, West	57.93	103.33	128.84	119.13	122.73	106.20	101.41	102.03	74.62	105.01	100.25
Greece	NA	69.93	119.58	113.86	102.79	96.34	86.87	90.82	104.14	78.10	69.20
Ireland	59.75	81.69	123.00	122.20	123.99	120.46	105.55	117.00	99.81	122.67	NA
Italy	65.41	83.59	134.45	121.73	131.29	136.05	130.93	133.02	134.92	171.94	187.42
Japan	63.46	85.72	128.12	153.43	143.01	154.49	122.53	119.36	132.79	119.41	108.75
Luxembourg	NA	83.41	118.57	116.09	109.08	101.79	95.41	95.85	76.38	79.46	77.39
Netherlands	66.38	92.29	134.43	140.08	133.45	114.51	111.06	110.02	91.57	115.86	107.30
New Zealand	66.13	74.49	123.85	142.26	155.25	149.51	137.18	136.07	123.69	151.13	NA
Norway	67.33	82.02	131.04	146.19	142.95	133.74	121.87	116.69	91.38	103.58	107.28
Portugal	64.61	82.63	123.81	141.35	142.89	140.87	143.52	147.02	171.16	188.20	194.66
Spain	32.09	46.52	95.68	116.35	108.54	97.59	96.51	100.17	112.23	104.19	107.23
Sweden	52.03	74.87	120.89	124.11	128.26	112.74	114.24	117.49	94.86	110.05	121.48
Switzerland	56.52	111.05	115.03	110.33	109.22	96.86	90.66	90.98	72.81	73.32	64.45
United Kingdom	61.13	86.82	129.88	131.18	133.00	118.81	102.94	104.81	75.97	81.40	73.28
United States	50.09	64.26	99.17	118.05	120.25	105.63	109.68	107.77	82.51	85.77	84.55

* Includes taxes
+ 1988 is most current data available in Oil & Gas Journal Energy Database.

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Natural Gas Liquids Spot Prices
Mt. Belvieu, Texas
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1982													
Propane	35.00	30.50	31.00	34.25	37.50	39.00	[illegible]2.50	49.50	52.00	53.00	50.75	43.50	**41.54**
Ethane	19.00	1[illegible].50	16.50	17.25	19.00	20.00	22.00	25.75	27.25	28.75	32.00	27.75	**22.73**
Normal Butane	47.00	47.00	51.00	66.50	71.00	69.50	70.00	75.75	77.50	76.50	73.50	75.00	**66.69**
Isobutane	53.00	52.50	60.00	73.00	78.50	79.50	81.50	86.25	86.75	81.75	77.00	75.75	**73.79**
Pentanes Plus	77.50	70.50	65.00	77.00	86.00	86.00	82.75	81.50	81.75	77.75	76.50	75.00	**78.10**
1983													
Propane	43.75	46.75	49.75	52.25	49.50	50.00	48.75	47.75	49.50	46.25	44.25	43.50	**47.67**
Ethane	28.25	27.75	27.75	29.50	30.25	31.00	31.75	32.50	33.75	31.00	28.25	26.50	**29.85**
Normal Butane	76.75	78.50	71.50	70.25	67.75	66.50	67.25	67.25	65.00	60.50	55.50	55.00	**66.81**
Isobutane	78.75	81.75	76.00	76.50	74.50	71.75	70.25	69.75	68.50	63.50	56.50	56.00	**70.31**
Pentanes Plus	71.75	69.50	69.00	76.50	75.75	74.75	74.25	73.00	72.50	70.25	67.50	64.00	**71.56**
1984													
Propane	45.75	44.50	44.00	45.00	44.50	43.25	41.50	43.25	44.25	43.75	40.75	37.25	**43.15**
Ethane	27.75	27.50	26.75	27.00	26.50	26.25	25.25	25.25	24.50	23.50	21.00	20.00	**25.10**
Normal Butane	57.25	55.25	54.75	55.00	53.00	51.75	49.75	51.50	56.25	58.75	57.75	57.00	**54.83**
Isobutane	58.25	57.75	58.00	59.25	56.75	54.75	51.75	54.00	59.75	61.00	58.50	54.75	**57.04**
Pentanes Plus	66.50	68.50	71.25	71.50	69.00	66.00	62.75	62.00	63.75	62.75	59.00	56.00	**64.92**
1985													
Propane	35.00	35.25	35.75	37.00	36.50	35.25	34.25	35.50	37.25	39.75	46.25	43.00	**37.56**
Ethane	19.75	20.25	20.50	21.75	23.00	22.25	21.50	22.00	23.00	24.75	31.25	27.50	**23.13**
Normal Butane	53.00	54.00	53.75	52.50	50.25	49.0[illegible]	47.25	51.50	54.00	58.75	67.50	63.75	**54.60**
Isobutane	52.50	55.50	57.50	56.50	54.75	55.50	52.75	56.75	60.50	64.50	73.00	65.75	**58.79**
Pentanes Plus	56.25	59.25	61.00	63.75	63.50	63.50	59.50	60.00	61.50	64.25	69.00	60.00	**61.79**
1986													
Propane	36.75	27.50	25.50	25.00	28.00	25.25	20.25	21.75	20.50	19.50	19.00	19.75	**24.06**
Ethane	24.00	18.00	16.25	16.00	19.00	16.75	15.50	16.50	17.00	17.00	17.00	16.75	**17.48**
Normal Butane	50.50	37.75	28.75	28.50	33.50	30.25	23.25	26.75	26.50	24.00	26.50	30.00	**30.52**
Isobutane	54.25	39.50	32.50	33.50	39.75	37.00	28.75	31.00	32.00	29.50	29.00	32.75	**34.96**
Pentanes Plus	53.00	37.50	33.00	35.50	40.50	33.25	25.25	30.00	31.50	29.75	32.00	33.50	**34.56**
1987													
Propane	24.25	21.75	23.25	24.25	22.75	23.25	25.00	25.25	25.00	26.50	25.25	23.75	**24.19**
Ethane	18.00	16.75	16.25	16.25	14.75	14.25	15.00	15.50	14.75	15.00	14.25	14.50	**15.44**
Normal Butane	37.75	38.75	38.25	37.00	33.25	34.00	37.50	37.50	37.25	39.50	38.00	32.75	**36.79**
Isobutane	39.50	38.75	40.75	43.75	42.25	43.50	45.25	47.50	47.00	46.00	41.25	34.50	**42.50**
Pentanes Plus	39.25	38.50	40.50	42.25	43.00	43.75	44.50	43.00	41.00	42.00	41.50	36.50	**41.31**
1988													
Propane	24.00	23.75	24.25	24.50	24.50	22.50	19.50	21.50	20.50	19.25	19.50	21.00	**22.06**
Ethane	15.50	15.75	15.50	15.50	16.25	17.00	16.75	19.00	19.50	20.00	21.00	21.25	**17.75**
Normal Butane	34.75	34.00	33.50	32.75	33.25	30.75	25.75	27.75	24.75	23.50	24.75	29.25	**29.56**
Isobutane	36.25	37.00	36.75	39.00	39.25	37.50	30.75	31.00	28.00	25.75	26.75	31.25	**33.27**
Pentanes Plus	37.25	38.00	38.00	41.50	41.00	37.75	35.50	34.50	31.50	30.00	33.00	35.00	**36.08**

Natural Gas Liquids Spot Prices
Mt. Belvieu, Texas
Cents per gallon

1989	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
Propane	21.00	19.50	21.00	22.00	20.25	20.00	20.00	20.75	21.75	22.00	21.25	41.50	**22.58**
Ethane	20.00	16.25	16.25	15.75	14.25	13.75	13.25	14.00	13.00	13.25	12.75	18.75	**15.10**
Normal Butane	29.75	25.25	26.75	26.25	24.75	25.50	26.50	28.25	29.75	30.25	29.75	44.50	**28.94**
Isobutane	34.00	33.50	35.75	39.00	37.50	34.50	34.75	36.25	36.25	35.50	34.25	46.00	**36.44**
Pentanes Plus	37.25	39.50	44.50	49.50	44.00	42.00	41.00	37.00	39.75	39.25	38.25	44.50	**41.38**

Data from Oil & Gas Journal Energy Database.
Source: Gas Processors Report

Natural Gas Liquids Spot Prices
Conway, Kansas - Group 140
Cents per gallon

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1982													
Propane	32.50	28.50	28.50	31.00	34.50	37.00	40.50	47.50	52.75	55.75	54.00	44.25	**40.56**
Ethane	16.50	14.50	13.00	14.50	18.00	18.50	19.50	23.50	27.00	27.50	30.75	26.50	**20.81**
Normal Butane	47.50	44.50	47.00	60.50	67.00	67.50	69.00	75.00	77.75	77.25	77.75	75.00	**65.48**
Isobutane	63.50	57.00	57.50	70.50	77.00	80.00	83.75	86.50	87.00	86.25	83.25	73.25	**75.46**
Pentanes Plus	79.00	69.00	62.50	73.50	83.00	85.00	84.50	84.50	83.75	82.00	80.50	72.50	**78.31**
1983													
Propane	43.50	45.25	47.50	52.00	50.25	51.00	48.25	46.75	49.50	46.00	42.25	42.00	**47.02**
Ethane	26.25	26.00	25.75	26.50	27.50	28.00	28.25	28.50	29.50	28.00	24.50	23.25	**26.83**
Normal Butane	75.25	75.00	70.50	71.25	70.75	68.75	67.50	67.00	65.25	60.75	54.50	56.25	**66.90**
Isobutane	75.50	77.25	73.50	76.75	76.25	74.00	71.00	69.00	68.25	64.75	55.50	57.50	**69.94**
Pentanes Plus	70.25	69.00	69.00	77.00	77.75	78.00	76.75	73.50	72.75	72.00	68.50	64.50	**72.42**
1984													
Propane	44.50	41.25	39.75	41.00	40.75	39.75	39.25	43.50	44.50	44.25	42.50	39.25	**41.69**
Ethane	23.25	23.25	23.00	23.25	23.00	22.75	22.00	22.25	22.00	21.50	19.75	18.25	**22.02**
Normal Butane	58.75	55.75	53.75	53.75	52.00	51.50	50.25	54.75	59.50	62.25	60.25	54.25	**55.56**
Isobutane	60.25	58.00	57.75	60.50	57.50	56.50	54.75	58.00	64.00	64.25	60.00	53.50	**58.75**
Pentanes Plus	65.75	67.75	70.25	72.50	69.25	66.25	62.00	62.00	64.75	64.25	60.25	54.50	**64.96**
1985													
Propane	34.00	32.50	33.25	34.75	34.00	33.25	32.50	34.50	35.50	37.50	43.00	45.50	**35.85**
Ethane	17.50	18.00	18.25	18.75	19.75	19.00	18.75	18.75	19.50	20.75	26.50	24.25	**19.98**
Normal Butane	48.75	50.50	54.00	53.25	49.50	49.50	48.50	53.25	54.75	57.50	64.75	61.50	**53.81**
Isobutane	48.25	53.00	58.75	61.25	54.75	56.25	55.50	62.00	62.25	64.50	72.75	65.50	**59.56**
Pentanes Plus	51.00	54.50	59.50	63.75	63.00	66.50	65.50	66.75	62.75	63.75	69.75	61.00	**62.31**
1986													
Propane	40.50	29.00	26.25	26.00	30.50	28.25	24.25	27.25	26.25	25.00	24.25	23.25	**27.56**
Ethane	21.75	15.50	13.50	13.75	15.50	13.75	13.00	13.50	13.75	13.50	13.75	13.75	**14.58**
Normal Butane	51.00	38.25	29.25	28.75	34.25	31.00	25.75	29.25	28.50	26.00	26.50	27.50	**31.33**
Isobutane	56.50	40.50	32.75	35.50	41.75	38.75	32.00	33.75	35.50	33.50	31.75	31.50	**36.98**
Pentanes Plus	52.25	37.75	29.25	31.75	41.25	35.50	26.00	30.75	31.75	29.75	31.50	33.75	**34.27**
1987													
Propane	22.25	18.75	19.25	20.25	20.00	20.50	23.25	23.50	22.75	23.50	22.50	20.50	**21.42**
Ethane	14.25	14.00	13.75	13.50	12.25	13.00	12.75	13.00	13.00	13.00	12.25	12.00	**13.06**
Normal Butane	34.25	34.50	34.50	33.25	31.50	32.75	37.25	37.75	37.75	40.75	40.25	33.25	**35.65**
Isobutane	38.25	40.00	40.00	45.50	46.75	48.00	48.50	47.25	47.00	46.00	42.75	36.25	**43.85**
Pentanes Plus	38.25	35.75	39.75	44.00	44.00	44.25	45.25	44.00	40.50	42.25	40.50	34.25	**41.06**
1988													
Propane	21.50	21.00	21.50	21.25	21.75	21.00	19.25	19.75	18.75	18.50	18.50	19.00	**20.15**
Ethane	13.00	13.75	14.00	13.75	13.50	14.00	13.75	15.00	15.25	16.25	17.50	17.50	**14.77**
Normal Butane	32.00	31.25	31.50	30.50	31.25	30.00	25.75	26.50	24.75	23.25	23.75	27.75	**28.19**
Isobutane	36.25	37.50	38.00	40.50	40.00	38.75	32.75	31.00	28.25	27.50	28.00	21.25	**33.31**
Pentanes Plus	33.25	35.00	36.25	41.00	41.00	38.75	36.75	35.00	31.00	29.25	30.75	34.00	**35.17**

Natural Gas Liquids Spot Prices
Conway, Kansas - Group 140
Cents per gallon

1989	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
Propane	18.75	17.75	19.25	19.50	18.00	18.00	18.25	19.75	21.50	22.25	21.75	53.00	**22.31**
Ethane	17.00	13.75	13.50	13.50	12.50	12.00	11.00	11.00	11.00	10.75	10.25	13.50	**12.48**
Normal Butane	27.75	24.25	23.50	22.75	21.00	21.50	23.00	25.25	26.25	26.75	27.25	40.00	**25.77**
Isobutane	34.50	33.50	39.25	38.50	36.25	34.50	35.50	36.50	36.50	36.50	36.75	42.50	**36.73**
Pentanes Plus	35.50	37.75	44.50	49.50	43.25	39.25	37.00	35.50	37.25	36.50	35.50	40.00	**39.29**

Data from Oil & Gas Journal Energy Database.
Source: Gas Processors Report

Price* of Heavy Fuel Oil for Electric Generation
U.S. dollars per barrel

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988+
Australia	14.07	17.46	29.89	36.62	36.19	35.91	NA	NA	NA	NA	NA
Austria	14.54	16.97	25.23	25.68	26.89	26.15	23.10	24.30	27.12	NA	NA
Belgium	13.86	16.44	28.26	30.51	27.36	26.18	28.93	26.00	14.01	18.77	13.76
Canada	10.74	11.57	11.99	17.10	19.24	23.32	20.93	NA	NA	NA	NA
Denmark	NA	16.28	24.97	29.15	28.73	22.41	27.05	26.15	9.87	15.87	10.34
Finland	14.96	18.96	31.10	34.20	31.76	28.70	28.75	31.76	19.46	19.78	20.71
France	13.81	17.05	27.21	30.07	28.59	27.59	NA	NA	NA	NA	NA
Germany, West	15.91	22.35	29.62	32.83	28.75	27.19	28.95	26.97	15.38	19.32	15.01
Greece	10.44	11.89	20.88	24.88	23.63	23.15	23.05	NA	NA	NA	NA
Ireland	NA	NA	NA	NA	NA	NA	NA	NA	14.59	18.74	NA
Italy	13.13	18.10	27.08	31.03	27.27	26.44	28.16	26.05	15.15	16.91	13.48
Japan	16.78	25.42	37.69	44.16	40.17	36.96	35.44	33.85	27.21	25.85	26.79
Netherlands	13.96	20.04	28.91	32.82	29.02	27.57	30.21	27.29	NA	19.87	NA
Portugal	10.11	13.31	19.90	23.53	27.48	24.21	19.50	17.14	19.15	22.17	23.67
Spain	13.49	16.78	25.81	33.11	31.28	29.37	28.50	30.64	22.95	17.73	18.35
Sweden	14.10	23.38	29.87	32.87	27.81	27.02	28.12	24.41	14.31	17.94	13.99
United Kingdom	14.61	18.46	30.13	31.28	28.33	27.16	28.31	32.42	21.78	18.25	19.76
United States @	13.59	19.10	26.07	33.15	30.45	28.78	30.25	26.08	15.02	18.67	15.38

* Includes taxes
+ 1988 is most current data available in Oil & Gas Journal Energy Database.
@ Excludes taxes

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

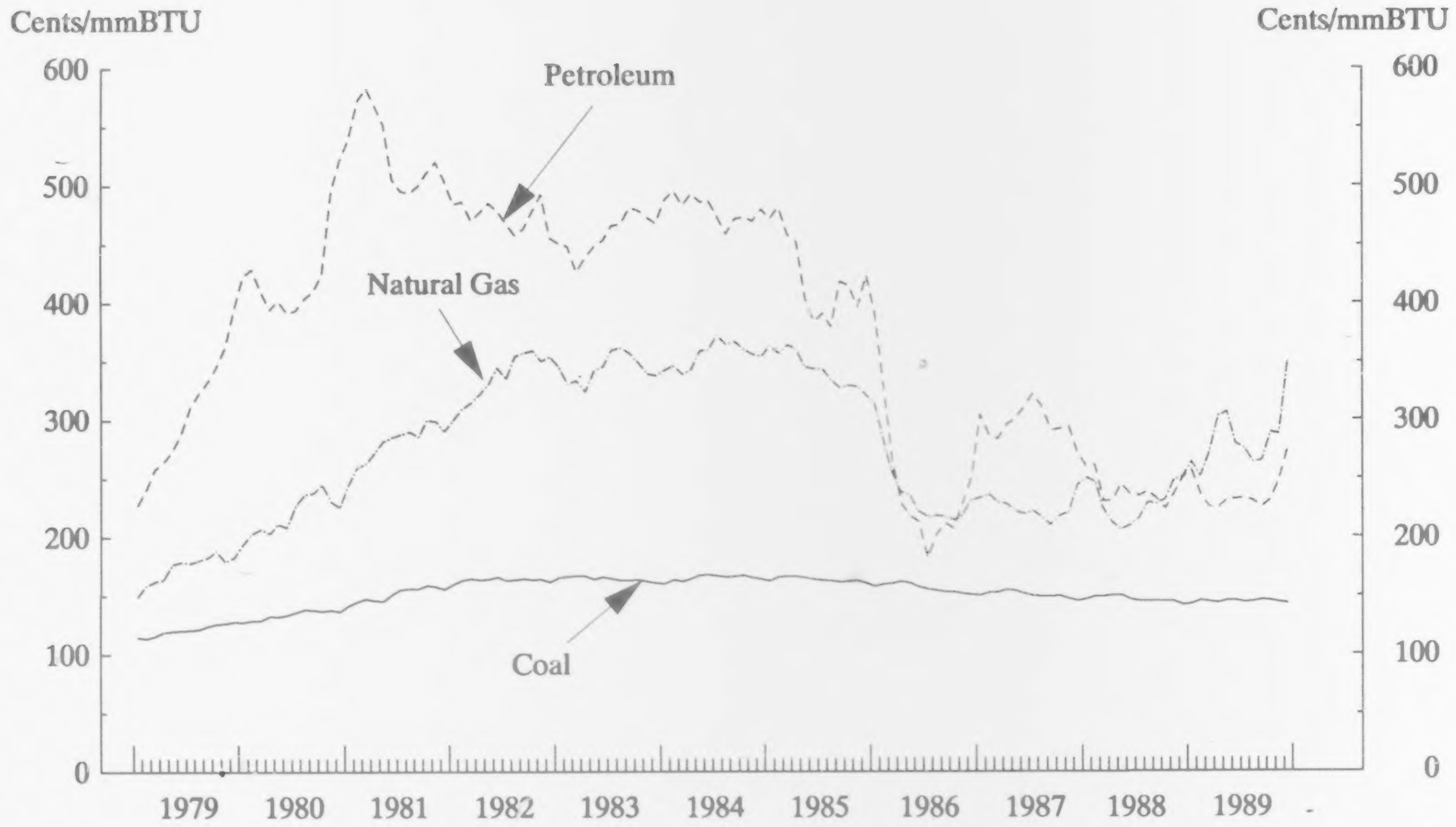
Total U.S. Fossil Fuel Prices
Cents per million BTU

	Crude Oil *	Natural Gas +	Anthracite Coal	Other Coal	Weighted Average
1950	43.3	6.3	37.9	19.3	**25.6**
1951	43.6	6.3	40.7	19.6	**25.9**
1952	43.6	7.2	39.3	19.5	**26.1**
1953	46.2	8.1	40.7	19.5	**27.3**
1954	47.9	9.0	36.1	18.0	**27.7**
1955	47.8	8.9	33.1	17.8	**27.1**
1956	48.1	9.9	34.9	19.1	**27.8**
1957	53.3	9.9	38.3	20.1	**29.9**
1958	51.9	10.8	38.0	19.4	**29.2**
1959	50.0	11.7	35.9	19.1	**28.6**
1960	49.7	12.6	33.8	18.8	**28.3**
1961	49.8	13.5	34.6	18.4	**28.6**
1962	50.0	14.5	33.6	18.0	**28.8**
1963	49.8	14.5	36.6	17.6	**28.3**
1964	49.7	13.6	38.0	17.9	**27.7**
1965	49.3	14.5	36.3	17.9	**27.7**
1966	49.7	14.5	34.8	18.4	**28.0**
1967	50.3	14.5	36.0	18.8	**28.4**
1968	50.7	14.3	39.2	19.1	**28.5**
1969	53.3	15.4	44.0	20.5	**29.9**
1970	54.8	15.4	48.8	26.2	**31.7**
1971	58.4	16.3	53.2	30.1	**34.0**
1972	58.4	17.3	55.3	32.7	**35.0**
1973	67.1	20.1	61.7	36.5	**39.8**
1974	118.4	27.3	102.2	68.2	**67.6**
1975	132.2	40.2	149.5	83.9	**82.1**
1976	141.2	53.1	153.9	85.0	**90.2**
1977	147.8	72.3	153.8	87.7	**100.8**
1978	155.2	83.6	152.7	97.9	**111.6**
1979	217.9	108.1	177.2	105.3	**141.7**
1980	372.2	144.8	185.9	109.4	**204.2**
1981	547.8	179.5	190.1	117.9	**274.5**
1982	491.7	222.2	214.0	122.1	**275.8**
1983	451.6	232.3	230.0	117.2	**270.1**
1984	446.2	239.9	208.7	115.9	**264.6**
1985	415.3	225.7	204.2	114.8	**251.2**
1986	215.7	174.8	191.1	108.2	**165.3**
1987	265.5	150.2	188.9	104.9	**170.0**
1988	216.9	152.4	189.8	100.8	**153.5**
1989	273.3	154.2	189.1	96.5	**166.6**

* Includes lease condensate.
+ Wet natural gas

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Cost of Fossil Fuels
Delivered to Electric Plants



Source: EIA

U.S. Average Cost of Fossil Fuels
Delivered to Electric Plants
Cents per million BTU

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1980													
Coal	128.7	129.9	130.1	133.8	133.3	135.1	137.4	139.5	138.9	138.1	139.3	137.8	**135.2**
Petroleum	423.5	429.7	411.0	394.9	403.1	392.7	394.5	404.9	411.3	425.2	496.0	521.9	**425.7**
Natural Gas	194.8	203.9	207.9	204.0	212.0	209.3	228.5	237.2	238.7	245.7	231.3	226.3	**220.0**
Average Cost	**187.3**	**189.8**	**184.8**	**178.2**	**180.3**	**178.8**	**199.0**	**196.2**	**193.5**	**192.2**	**200.0**	**206.6**	**190.6**
1981													
Coal	142.7	146.3	148.3	146.9	146.7	152.7	156.5	157.0	157.2	160.2	159.1	156.7	**152.5**
Petroleum	540.2	572.9	583.9	568.3	552.8	506.1	496.3	494.4	501.0	511.9	521.0	505.0	**529.5**
Natural Gas	245.9	260.5	264.0	273.5	282.7	286.3	288.6	291.1	286.5	300.7	300.0	291.4	**280.9**
Average Cost	**219.2**	**218.2**	**215.0**	**241.9**	**250.6**	**234.6**	**227.5**	**220.2**	**212.3**	**217.7**	**215.1**	**215.5**	**224.0**
1982													
Coal	160.9	164.1	165.7	164.6	165.1	167.0	164.5	164.7	165.9	164.9	165.3	162.9	**164.6**
Petroleum	484.6	487.6	470.9	478.0	485.7	479.6	468.8	458.8	464.4	479.3	493.4	456.3	**475.6**
Natural Gas	301.0	310.4	315.8	323.4	331.6	345.8	335.9	355.7	358.5	360.4	351.5	355.4	**337.1**
Average Cost	**226.4**	**220.7**	**219.8**	**214.3**	**215.7**	**224.7**	**237.6**	**227.6**	**226.9**	**220.1**	**218.2**	**216.8**	**222.4**
1983													
Coal	166.7	167.7	168.1	168.1	165.1	167.3	165.5	164.4	164.1	164.7	163.3	162.2	**165.6**
Petroleum	451.6	449.2	427.5	439.5	449.0	454.2	466.9	468.2	482.2	479.6	473.4	468.7	**459.2**
Natural Gas	346.9	331.9	334.9	325.5	343.5	346.7	361.1	363.1	358.1	350.1	340.7	338.7	**345.1**
Average Cost	**216.0**	**212.6**	**215.1**	**216.2**	**216.6**	**220.8**	**237.4**	**230.6**	**226.8**	**219.9**	**212.5**	**219.0**	**220.3**
1984													
Coal	161.6	164.9	163.4	165.7	168.6	169.1	168.2	167.2	167.4	168.7	166.6	165.0	**166.4**
Petroleum	488.9	496.3	484.0	494.1	486.9	488.3	474.6	459.6	472.5	474.1	470.6	480.4	**480.9**
Natural Gas	343.7	347.5	339.8	344.4	360.4	360.9	373.1	365.6	368.0	361.4	357.2	355.4	**356.5**
Average Cost	**221.0**	**217.4**	**208.4**	**210.6**	**220.3**	**223.2**	**231.3**	**223.5**	**217.5**	**218.8**	**216.8**	**218.7**	**219.0**
1985													
Coal	164.1	167.0	167.1	167.6	166.8	165.0	164.2	164.0	163.2	163.5	163.6	161.0	**164.8**
Petroleum	472.0	482.4	458.8	452.1	403.1	384.9	392.8	380.5	419.0	415.8	397.2	424.3	**423.6**
Natural Gas	364.4	358.1	364.9	361.6	346.1	344.8	344.0	334.8	328.7	330.4	329.3	320.9	**344.0**
Average Cost	**218.7**	**218.1**	**209.5**	**210.6**	**206.3**	**208.1**	**217.4**	**211.1**	**204.9**	**204.3**	**204.5**	**202.9**	**209.7**
1986													
Coal	159.6	161.4	161.7	163.5	162.3	159.2	157.1	156.1	154.9	154.7	153.3	152.2	**158.0**
Petroleum	396.0	302.1	266.2	229.7	218.9	214.4	184.1	203.6	213.0	208.6	230.5	252.7	**243.3**
Natural Gas	313.6	281.2	256.2	238.4	235.2	221.5	216.1	218.5	216.2	213.6	217.6	230.1	**238.2**
Average Cost	**195.7**	**185.6**	**179.9**	**177.7**	**177.7**	**174.1**	**171.1**	**170.7**	**168.5**	**165.8**	**166.1**	**170.3**	**175.3**
1987													
Coal	150.4	152.7	152.6	155.2	154.4	151.6	150.0	149.3	149.6	149.6	147.4	145.8	**150.7**
Petroleum	304.1	286.5	283.6	295.6	300.4	310.6	321.7	310.8	291.1	291.7	294.5	271.9	**296.9**
Natural Gas	233.8	236.3	229.3	228.6	221.2	219.8	221.9	216.6	209.9	217.5	220.6	244.2	**225.0**
Average Cost	**173.3**	**172.1**	**170.0**	**174.2**	**172.7**	**172.3**	**177.3**	**172.6**	**166.1**	**165.6**	**166.1**	**166.8**	**170.8**
1988													
Coal	146.5	148.7	149.3	149.8	149.5	146.3	146.0	145.3	145.3	145.6	145.6	142.3	**146.7**
Petroleum	260.0	260.5	232.7	231.6	245.0	236.2	234.5	239.0	232.0	223.6	236.8	251.2	**240.3**
Natural Gas	250.4	247.7	225.4	212.8	203.3	209.2	216.0	229.1	228.0	232.2	248.3	250.3	**229.4**
Average Cost	**167.1**	**169.0**	**165.2**	**162.7**	**162.6**	**162.2**	**165.7**	**167.0**	**162.9**	**161.6**	**163.4**	**162.1**	**164.3**
1989													
Coal	142.7	145.3	144.4	143.6	145.3	145.4	144.1	144.7	146.1	145.4	144.2	142.8	**144.5**
Petroleum	264.1	251.6	271.8	303.0	307.2	279.9	275.6	264.2	264.8	289.1	288.0	350.2	**284.1**
Natural Gas	257.5	236.9	225.6	224.6	231.8	232.1	233.3	230.6	225.5	231.6	248.1	275.3	**237.7**
Average Cost	**164.9**	**164.7**	**165.0**	**166.6**	**169.6**	**168.5**	**172.2**	**166.6**	**164.9**	**166.1**	**164.9**	**176.7**	**167.8**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Price of Electricity
Cents per kilowatt hour

	Residential Sector	Commercial Sector	Industrial Sector	Other Sectors	All Sectors
1960	2.62	2.42	1.06	1.91	1.82
1961	2.60	2.43	1.08	1.83	1.82
1962	2.56	2.38	1.05	1.86	1.80
1963	2.51	2.34	1.04	1.83	1.77
1964	2.45	2.22	1.01	1.83	1.73
1965	2.39	2.18	1.00	1.82	1.70
1966	2.34	2.13	0.98	1.80	1.66
1967	2.31	2.11	0.98	1.76	1.65
1968	2.25	2.07	0.97	1.76	1.63
1969	2.21	2.06	0.98	1.74	1.63
1970	2.22	2.08	1.02	1.80	1.67
1971	2.32	2.20	1.10	1.91	1.77
1972	2.42	2.29	1.16	1.98	1.86
1973	2.54	2.41	1.25	2.10	1.96
1974	3.10	3.04	1.69	2.75	2.49
1975	3.51	3.45	2.07	3.08	2.92
1976	3.73	3.69	2.21	3.27	3.09
1977	4.05	4.09	2.50	3.51	3.42
1978	4.31	4.36	2.79	3.62	3.69
1979	4.64	4.68	3.05	3.96	3.99
1980	5.36	5.48	3.69	4.76	4.73
1981	6.20	6.29	4.29	5.28	5.46
1982	6.86	6.86	4.95	5.92	6.13
1983	7.18	7.02	4.96	6.38	6.30
1984	7.54	7.33	5.04	6.78	6.52
1985	7.79	7.47	5.16	6.96	6.71
1986	7.41	7.13	4.90	6.64	6.42
1987	7.41	7.01	4.72	6.64	6.32
1988	7.49	7.07	4.62	6.02	6.31
1989	7.64	7.21	4.72	6.19	6.44

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Price* of Electricity for Residential Use
U.S. cents per kilowatt hour

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988+
Australia	3.90	4.10	4.60	5.20	5.80	5.90	6.00	5.20	5.20	5.80	6.80
Austria	8.00	8.80	10.10	9.00	9.60	9.00	8.50	8.50	11.70	14.20	14.50
Belgium	11.50	12.50	14.10	12.90	11.20	10.90	10.20	10.10	12.90	14.60	NA
Canada	2.50	2.60	2.90	3.10	3.30	3.70	3.70	3.70	3.70	4.10	4.50
Denmark	NA	7.60	10.20	10.50	10.00	9.20	7.80	8.60	11.00	12.30	14.00
Finland	5.80	6.20	7.00	7.00	6.70	5.70	5.20	5.20	6.40	8.30	8.60
France	8.10	9.40	11.50	9.80	9.50	8.90	8.40	8.60	11.90	12.70	NA
Greece	6.30	6.80	7.50	8.90	8.50	7.20	6.40	6.10	7.70	9.60	NA
Germany, West	8.50	9.50	10.00	9.10	9.20	9.10	8.50	8.20	11.50	14.40	14.70
Ireland	5.90	6.90	10.10	9.90	10.20	9.50	8.80	8.90	11.40	12.10	NA
Italy	4.60	5.20	7.10	6.90	7.10	7.60	7.80	7.70	9.30	10.70	10.70
Japan	9.30	9.20	11.80	13.20	11.90	12.50	12.60	12.40	17.10	18.80	20.70
Luxembourg	7.40	8.40	9.00	7.70	7.10	7.30	7.10	7.10	9.30	11.30	NA
Netherlands	8.20	9.60	11.50	10.90	10.50	9.70	8.90	8.80	9.40	10.80	NA
Norway	NA	3.10	3.50	3.60	3.80	3.80	3.80	3.90	4.90	5.70	6.20
New Zealand	2.40	2.50	3.40	3.30	3.10	3.10	2.70	2.90	3.00	4.40	6.10
Portugal	4.60	4.60	7.10	6.90	7.50	7.20	6.90	7.50	9.90	11.40	12.20
Spain	NA	6.50	8.00	8.90	9.70	8.20	8.30	8.60	11.10	NA	NA
Sweden	NA	NA	5.90	5.40	4.50	3.90	3.90	4.00	NA	5.80	6.30
Switzerland	6.60	8.80	7.30	7.70	6.40	7.50	5.90	5.90	8.20	10.00	10.20
United Kingdom	5.30	6.30	8.80	9.10	8.60	7.70	6.90	6.80	7.90	8.70	9.70
United States @	4.30	4.60	5.29	6.14	6.83	7.14	7.55	7.62	7.80	7.74	7.79

* Includes taxes
+ 1988 is most current data available in Oil & Gas Journal Energy Database.
@ Excludes taxes

Data from Oil & Gas Journal Energy Database.
Source: International Energy Agency

Revenues and Expenditures

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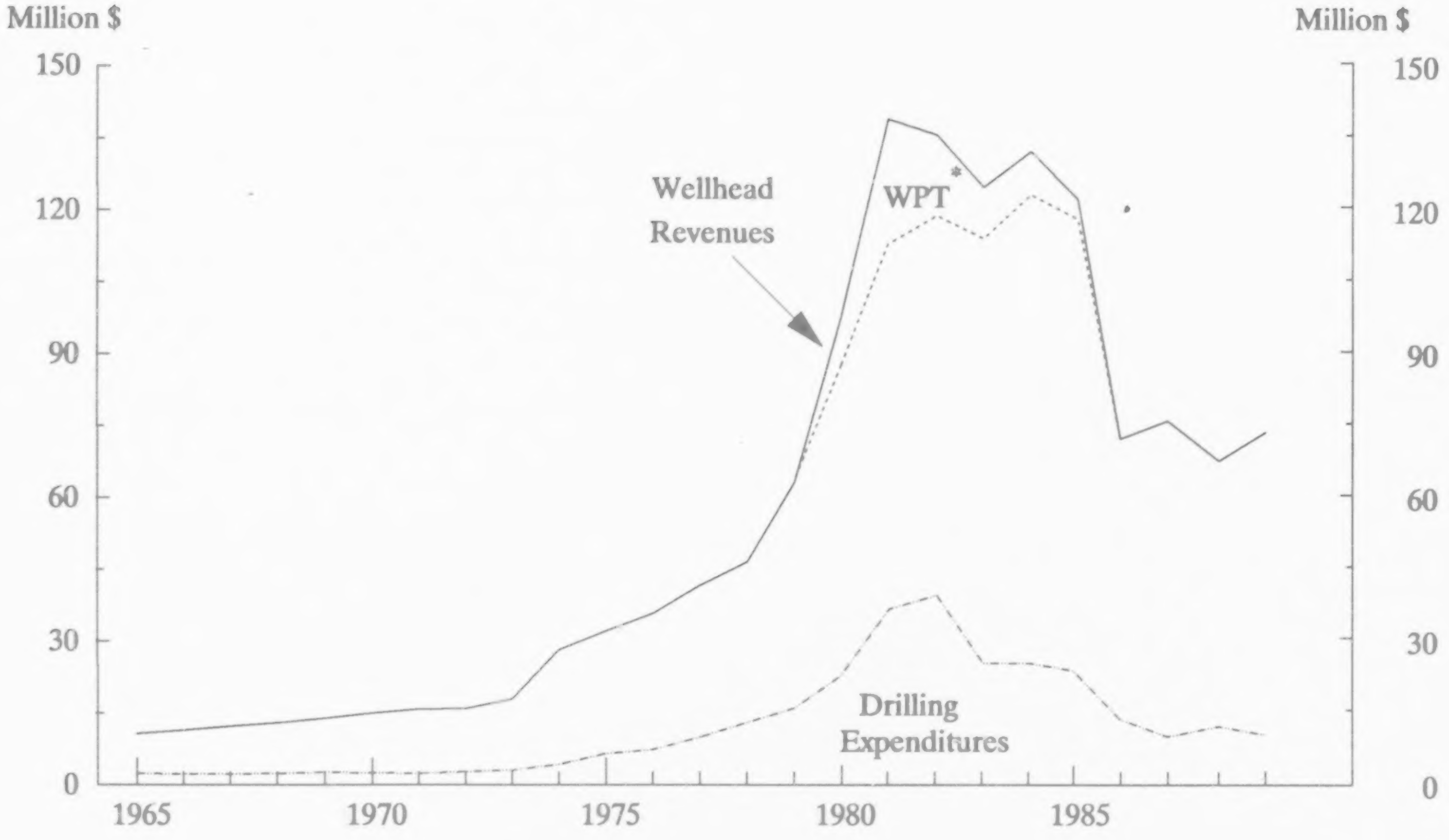
Wellhead Revenues Reinvested in Drilling



* Windfall Profit Tax

Source: API, JAS, OGJ

Total Wellhead Realizations and Reinvestment
Thousands of Dollars

	Total Wellhead Revenues	Net of Windfall Profit Tax	Total Drilling Expenditures	Investment Ratio %
1965	10,652,840	NA	2,407,437	22.6
1966	11,429,182	NA	2,360,740	20.7
1967	12,274,468	NA	2,299,178	18.7
1968	12,963,514	NA	2,409,360	18.6
1969	13,882,295	NA	2,610,671	18.8
1970	14,919,586	NA	2,578,682	17.3
1971	15,778,480	NA	2,371,492	15.0
1972	15,886,972	NA	2,814,166	17.7
1973	17,951,977	NA	3,074,532	17.1
1974	28,153,951	NA	4,366,989	15.5
1975	32,061,121	NA	6,571,214	20.5
1976	35,801,316	NA	7,461,680	20.8
1977	41,615,676	NA	9,956,453	23.9
1978	46,562,738	NA	13,061,090	28.1
1979	63,164,966	NA	16,078,930	25.5
1980	97,765,720	87,840,720	22,800,356	26.0
1981	138,947,637	113,003,637	36,665,457	32.4
1982	135,526,277	118,772,277	39,428,119	33.2
1983	124,592,334	113,924,334	25,104,543	22.0
1984	132,048,177	123,174,177	25,206,219	20.5
1985	122,047,638	118,047,638	23,696,603	20.1
1986	72,242,658	72,242,658	13,552,403	18.8
1987	75,903,000	75,903,000	10,026,000	13.2
1988	67,574,000	67,574,000	12,108,000	17.9
1989*	73,576,000	73,576,000	10,350,000	14.1

* Estimate

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute, Joint Association Survey,
Oil & Gas Journal

OGJ Capital Expenditures Survey
Total U.S.
Millions of dollars

	1973	1974	1975	1976	1977	1978	1979	1980	1981
Drilling/Exploration	3,453	4,904	7,379	8,379	14,172	15,079	21,926	31,789	43,193
Production	677	962	1,448	1,644	2,659	3,132	4,490	6,191	7,984
OCS Lease Bonus	3,082	5,024	1,088	2,243	1,569	1,767	4,590	4,205	6,599
Subtotal	**7,212**	**10,890**	**9,915**	**12,266**	**18,400**	**19,978**	**31,006**	**42,185**	**57,776**
Refining	1,104	2,446	1,981	1,819	1,324	1,551	2,735	3,159	5,131
Petrochemicals	269	810	1,122	1,987	1,746	2,675	2,355	2,805	2,792
Marketing	915	679	608	627	687	982	851	1,276	1,619
Crude & Products Pipelines	150	1,096	2,894	2,949	1,630	989	1,509	1,777	2,052
Natural Gas Pipelines	600	541	799	686	873	809	1,491	3,642	4,947
Other Transportation	153	163	275	314	438	468	583	804	895
Miscellaneous	647	1,278	1,030	1,175	1,593	1,738	3,700	5,022	7,731
Total Capital Expenditures	**11,050**	**17,903**	**18,624**	**21,823**	**26,691**	**29,190**	**44,230**	**60,670**	**82,943**

	1982	1983	1984	1985	1986	1987	1988	1989	1990
Drilling/Exploration	44,251	28,193	28,290	26,596	13,552	10,125	11,841	11,154	11,905
Production	8,681	5,531	5,590	5,217	3,066	2,046	2,323	2,256	2,475
OCS Lease Bonus	3,987	5,749	4,037	1,488	187	497	1,217	646	650
Subtotal	**56,919**	**39,473**	**37,917**	**33,301**	**16,805**	**12,668**	**15,381**	**14,056**	**15,030**
Refining	4,710	4,142	2,914	2,992	2,073	2,180	2,874	3,167	4,004
Petrochemicals	1,570	1,112	1,215	1,493	1,357	1,248	1,962	2,713	2,704
Marketing	1,337	1,614	2,221	2,611	1,634	1,810	2,525	2,613	2,996
Crude & Products Pipelines	1,320	2,456	1,689	1,137	435	733	400	451	500
Natural Gas Pipelines	6,070	4,707	3,971	2,084	1,309	1,556	1,659	969	1,982
Other Transportation	515	456	386	458	380	310	416	498	681
Miscellaneous	7,708	4,567	4,347	3,706	3,258	3,180	3,457	3,310	3,507
Total Capital Expenditures	**80,249**	**58,527**	**54,660**	**47,782**	**27,251**	**23,685**	**28,674**	**27,777**	**31,404**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Oil Well Drilling Expenditures
Annual Spending by Component and Well Type
Millions of dollars

	1980	1981	1982	1983	1984	1985	1986	1987	1988
Footage Rate Payments	648	1,310	1,529	1,292	1,461	1,373	760	428	426
Day Rate Payments	1,387	2,164	1,971	1,306	1,154	1,085	600	338	337
Turnkey	113	268	348	316	378	355	197	111	110
Payments to Drilling Contractors	2,148	3,742	3,847	2,914	2,993	2,813	1,556	878	873
Road & Site Preparation	484	725	792	551	633	601	391	301	255
Transportation	219	324	288	229	245	228	148	112	93
Fuel	126	203	126	78	71	62	25	21	16
Drilling Mud & Additives	421	642	523	443	449	335	190	158	119
Mud Logging, Coring, & Monitoring Systems	105	178	153	122	133	117	68	55	46
All Other Physical Tests	44	62	59	47	51	48	28	22	17
Log & Wireline Evaluation Services	230	391	414	316	368	305	150	119	104
Directional Drilling Services	61	91	93	73	82	68	37	33	28
Perforate	144	260	265	210	255	238	147	88	111
Formation Treating	470	762	737	519	552	462	250	198	167
Cement & Cementing Services	348	588	506	464	511	428	232	191	173
Casing & Tubing	1,371	2,548	2,290	1,814	1,982	1,714	1,025	848	827
Casing Hardware	57	109	101	82	92	79	47	39	38
Special Tool Rentals	192	296	283	223	245	217	119	92	74
Drill Bits & Reamers	109	165	152	107	112	99	54	46	45
Wellhead Equipment	253	403	357	231	235	197	100	80	69
Miscellaneous Equipment & Supplies	235	397	399	279	317	295	153	130	112
Plugging	24	40	44	35	41	37	23	18	15
Supervision & Overhead	164	279	276	254	306	293	176	131	111
Other Expenditures	563	818	753	514	541	506	262	210	184
Subtotal Purchased Items	5,621	9,280	8,611	6,590	7,221	6,328	3,628	2,892	2,601
Total Oil Drilling Expenditures	7,768	13,023	12,459	9,504	10,214	9,141	5,184	3,769	3,474
Total Oil Wells Drilled	32,120	42,831	40,182	38,168	44,472	36,458	18,598	16,441	14,142
Total Oil Footage Drilled (000)	123,264	169,372	152,852	140,662	167,646	142,321	74,604	65,893	59,693

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Gas Well Drilling Expenditures
Annual Spending by Component and Well Type
Millions of dollars

	1980	1981	1982	1983	1984	1985	1986	1987	1988
Footage Rate Payments	528	987	1,489	891	885	899	480	263	374
Day Rate Payments	1,614	2,139	2,302	970	651	661	353	194	275
Turnkey	99	230	394	257	271	275	147	81	114
Payments to Drilling Contractors	2,241	3,355	4,184	2,118	1,807	1,835	981	538	763
Road & Site Preparation	352	494	711	359	373	383	240	180	217
Transportation	282	368	409	223	205	206	129	95	112
Fuel	131	218	201	104	102	96	38	31	33
Drilling Mud & Additives	563	783	822	496	446	359	197	159	171
Mud Logging, Coring, & Monitoring Systems	110	167	182	101	95	91	51	40	47
All Other Physical Tests	45	54	62	33	29	29	17	13	14
Log & Wireline Evaluation Services	231	358	488	264	271	242	115	89	111
Directional Drilling Services	74	90	105	51	44	40	21	18	22
Perforate	197	292	347	178	176	177	105	62	110
Formation Treating	517	756	935	464	432	391	205	157	189
Cement & Cementing Services	309	469	512	329	315	285	149	119	155
Casing & Tubing	1,422	2,397	2,760	1,543	1,478	1,374	794	638	888
Casing Hardware	49	79	88	47	44	41	24	19	26
Special Tool Rentals	324	429	496	259	234	224	118	89	102
Drill Bits & Reamers	138	201	253	133	132	126	67	55	75
Wellhead Equipment	213	334	415	208	205	185	91	71	87
Miscellaneous Equipment & Supplies	214	312	381	178	168	169	85	70	86
Plugging	9	16	23	14	15	14	9	7	8
Supervision & Overhead	185	275	338	213	220	227	132	95	115
Other Expenditures	563	801	1,026	539	549	554	277	216	270
Subtotal Purchased Items	5,926	8,893	10,553	5,738	5,532	5,212	2,863	2,222	2,837
Total Gas Drilling Expenditures	8,167	12,248	14,738	7,856	7,339	7,047	3,844	2,759	3,600
Total Gas Wells Drilled	17,132	19,893	17,167	12,682	14,962	12,917	8,055	8,114	8,938
Total Gas Well Footage Drilled (000)	90,352	106,411	99,160	69,728	81,649	70,894	42,858	42,998	47,515

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Total (Oil, Gas and Dry) Drilling Expenditures
Annual Spending by Component and Well Type
Millions of dollars

	1980	1981	1982	1983	1984	1985	1986	1987	1988
Footage Rate Payments	1,657	3,231	4,194	2,985	3,165	3,112	1,735	927	1,131
Day Rate Payments	4,979	7,481	7,617	4,189	3,451	3,434	1,949	1,005	1,277
Turnkey	301	710	1,047	802	901	889	496	264	327
Payments to Drilling Contractors	6,937	11,422	12,859	7,976	7,517	7,435	4,180	2,195	2,734
Road & Site Preparation	1,232	1,861	2,345	1,430	1,596	1,594	1,055	756	800
Transportation	853	1,194	1,176	753	733	722	477	332	352
Fuel	422	714	553	312	304	282	118	91	89
Drilling Mud & Additives	1,561	2,320	2,173	1,531	1,462	1,154	667	511	497
Mud Logging, Coring, & Monitoring Systems	360	596	580	386	396	371	220	163	173
All Other Physical Tests	130	178	192	130	134	131	78	58	57
Log & Wireline Evaluation Services	712	1,196	1,450	938	1,036	906	454	334	371
Directional Drilling Services	209	287	316	199	202	178	98	82	85
Perforate	396	649	719	458	507	492	303	176	267
Formation Treating	1,069	1,646	1,804	1,057	1,052	915	491	379	384
Cement & Cementing Services	884	1,435	1,375	1,060	1,093	957	522	408	454
Casing & Tubing	3,432	6,125	6,225	4,122	4,225	3,808	2,276	1,805	2,155
Casing Hardware	136	248	252	173	182	163	98	77	91
Special Tool Rentals	770	1,122	1,207	766	770	721	401	287	298
Drill Bits & Reamers	395	602	660	397	405	380	212	165	208
Wellhead Equipment	537	855	894	509	509	445	224	174	184
Miscellaneous Equipment & Supplies	562	902	1,002	588	623	604	316	255	265
Plugging	107	185	233	160	178	174	114	78	86
Supervision & Overhead	508	815	893	671	748	752	456	318	337
Other Expenditures	1,588	2,314	2,518	1,488	1,534	1,512	790	593	662
Subtotal Purchased Items	15,864	25,243	26,569	17,128	17,689	16,262	9,372	7,044	7,815
Total Drilling Expenditures	22,800	36,665	39,428	25,105	25,206	23,697	13,552	9,239	10,550
Total Wells Drilled	69,486	89,983	83,193	74,485	84,983	70,806	39,015	36,253	34,136
Total Footage Drilled (000)	311,445	408,594	374,120	313,667	368,796	316,778	177,641	163,848	161,106

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Value of U.S. Petroleum Imports
Current and Constant Dollars

	Total All Merchandise Imports	Petroleum and Products Imports	Petroleum Percent of Total Imports	Total All Merchandise Imports	Petroleum and Products Imports	Petroleum Percent of Total Imports
	---Billions	of Dollars----		-Billions of	1982 Dollars-	
1967	27.75	2.10	7.6	112.95	28.85	25.5
1968	33.95	2.38	7.0	135.75	33.23	24.5
1969	36.80	2.65	7.2	144.65	37.05	25.6
1970	40.85	2.95	7.2	150.85	40.08	26.6
1971	46.53	3.65	7.8	166.20	45.78	27.5
1972	56.85	4.65	8.2	190.73	55.95	29.3
1973	71.85	8.40	11.7	218.23	79.38	36.4
1974	102.56	26.07	25.4	211.78	76.48	36.1
1975	99.50	26.66	26.8	187.90	75.20	40.0
1976	123.48	34.61	28.0	229.35	90.68	39.5
1977	150.39	44.07	29.3	259.45	109.10	42.1
1978	176.00	42.65	24.2	275.06	103.27	37.5
1979	212.01	60.96	28.8	278.21	104.40	37.5
1980	249.75	79.36	31.8	253.95	82.93	32.7
1981	265.06	78.58	29.6	256.74	73.07	28.5
1982	247.64	62.02	25.0	247.56	61.99	25.0
1983	268.90	55.34	20.6	278.49	60.97	21.9
1984	332.42	58.03	17.5	347.13	64.87	18.7
1985	338.08	51.26	15.2	365.61	60.36	16.5
1986	368.43	34.39	9.3	413.60	75.31	18.2
1987	409.77	42.94	10.5	435.80	78.26	18.0
1988	447.32	39.63	8.9	466.19	86.92	18.6
1989	475.33	50.89	10.7	492.35	93.80	19.1

Source: Bureau of Commerce

Value of OPEC Petroleum Exports
By Country
Millions of Dollars

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Algeria	532	589	631	681	614	1,028	1,522	4,267	4,295	4,791	5,562
Ecuador	1	1	1	1	1	60	282	693	516	565	500
Gabon	32	42	58	62	89	100	212	773	918	924	900
Indonesia	240	298	383	446	504	913	1,599	5,211	5,311	6,004	7,298
Iran	1,748	1,688	1,857	2,358	3,494	3,636	5,617	20,904	19,634	22,923	23,599
Iraq	610	755	769	788	1,083	1,027	1,842	6,534	8,227	9,201	9,560
Kuwait	803	860	910	1,596	2,143	2,370	3,520	10,394	8,424	8,953	8,778
Libya	1,169	1,857	2,159	2,357	2,697	2,888	3,919	8,175	6,677	9,399	11,220
Nigeria	204	104	367	715	1,342	1,796	2,905	8,640	7,461	10,145	11,048
Qatar	201	210	222	227	301	382	600	1,979	1,757	2,137	1,982
Saudi Arabia	1,384	2,020	2,107	2,418	3,803	5,477	8,956	35,476	29,473	38,157	43,308
United Arab Emirates	262	335	391	485	718	998	1,867	6,948	6,762	8,258	9,132
Venezuela	2,307	2,330	2,279	2,371	2,882	2,857	4,328	10,548	8,324	8,763	9,110
Total OPEC	**9,493**	**11,089**	**12,134**	**14,505**	**19,671**	**23,532**	**37,169**	**120,542**	**107,779**	**130,220**	**141,997**

	1978	1979	1980	1981	1982	1883	1984	1985	1986	1987	1988
Algeria	5,856	8,746	12,647	12,985	10,770	9,467	9,189	9,170	4,819	6,057	4,988
Ecuador	604	1,161	1,563	1,709	1,509	1,733	1,835	1,927	983	724	976
Gabon	921	1,283	1,745	1,786	1,802	1,652	1,684	1,629	723	896	779
Indonesia	7,439	8,871	15,595	18,164	15,223	13,558	12,477	9,083	5,501	6,157	5,185
Iran	21,684	19,186	13,286	12,053	19,233	19,225	12,255	13,115	7,183	10,515	8,170
Iraq	10,913	21,382	26,296	10,422	10,096	7,816	9,354	10,685	6,905	11,416	10,952
Kuwait	9,422	16,770	17,678	13,790	8,827	9,736	10,740	9,817	6,378	7,520	6,295
Libya	9,681	15,693	21,378	15,254	12,769	11,900	10,631	9,962	5,787	6,011	5,169
Nigeria	8,561	17,113	25,290	17,694	11,946	10,055	11,747	12,353	6,177	7,023	6,126
Qatar	2,294	3,643	5,406	5,350	4,108	3,110	4,386	3,068	1,720	1,829	1,709
Saudi Arabia	40,332	62,855	105,813	116,183	75,534	42,809	34,243	24,180	16,975	19,271	20,500
United Arab Emirates	8,624	12,915	19,558	18,815	15,337	12,235	12,978	11,842	7,453	8,665	7,352
Venezuela	8,740	13,633	18,248	19,039	15,624	13,839	12,145	10,352	6,713	6,959	8,162
Total OPEC	**135,071**	**203,251**	**284,503**	**263,244**	**202,778**	**157,135**	**143,664**	**127,183**	**77,317**	**93,043**	**86,363**

Data from Oil & Gas Journal Energy Database.
Source: International Monetary Fund

Severance and Production Taxes Paid
By State
Thousands of Dollars

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Alabama	1,325	1,491	2,098	2,885	5,426	8,090	9,229	11,523	15,502	17,310
Alaska	8,958	11,412	12,341	10,893	22,095	27,694	25,896	52,946	107,721	251,636
Arkansas	2,690	3,033	3,100	3,196	4,321	6,287	6,689	9,206	9,573	11,261
California	1,246	1,231	1,554	1,407	4,778	4,963	5,326	6,841	8,338	9,103
Colorado	1,019	524	524	795	4,000	18,000	5,747	6,033	6,376	7,089
Florida	248	571	2,250	10,240	20,543	20,214	26,371	26,438	42,768	49,306
Indiana	322	239	221	203	453	495	509	723	686	1,159
Kansas	605	664	687	711	704	700	39,870	50,178	55,625	61,525
Kentucky	546	574	521	477	759	349	418	408	395	404
Louisiana	243,799	249,247	236,485	259,455	380,767	539,572	507,140	485,339	466,346	458,009
Maryland	NA	NA	3	4	6	6	5	3	4	6
Michigan	959	915	929	1,076	4,502	6,104	11,886	9,829	12,416	15,454
Mississippi	13,199	13,484	13,143	13,666	22,719	20,914	23,233	24,501	27,756	34,974
Montana	3,231	2,933	2,668	2,692	4,256	6,583	7,009	7,412	7,731	10,550
Nebraska	868	641	543	518	936	983	1,113	1,241	1,318	2,018
Nevada	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
New Mexico	12,696	12,932	13,536	15,695	74,103	74,694	103,860	132,517	151,820	185,349
North Dakota	3,198	3,166	3,306	3,140	4,358	6,880	8,617	9,604	11,100	15,094
Ohio	NA	NA	176	1,042	1,063	1,068	1,063	1,146	1,246	1,431
Oklahoma	50,539	51,280	73,342	71,457	97,7[illegible]	128,113	153,043	193,614	233,100	283,791
Oregon	NA	NA	NA	NA	NA	NA	0	0	0	0
South Dakota	NA	NA	NA	NA	NA	68	58	68	71	456
Tennessee	NA	NA	NA	20	9	25	25	28	32	116
Texas	268,978	303,633	307,368	334,797	520,474	664,333	795,903	902,801	955,051	1,026,169
Utah	1,264	1,297	1,432	1,530	5,448	5,428	6,528	6,441	6,643	6,978
West Virginia	4,282	4,487	3,986	NA	4,026	3,840	5,068	7,951	9,722	12,002
Wyoming	4,268	4,877	5,075	16,130	35,110	38,336	37,959	41,457	48,179	53,392
Total U.S.	**624,240**	**668,631**	**685,283**	**752,029**	**1,218,816**	**1,583,739**	**1,782,565**	**1,988,254**	**2,179,519**	**2,514,582**

Severance and Production Taxes Paid
By State
Thousands of Dollars

	1980	1981	1982	1983	1984	1985	1986	1987	1988
Alabama	30,019	55,757	58,036	72,486	114,302	84,215	64,863	41,592	47,965
Alaska	506,500	1,170,200	1,581,700	1,493,700	1,393,100	1,389,400	1,108,400	648,500	815,810
Arkansas	17,858	27,047	24,602	22,812	21,329	20,438	10,312	9,726	8,542
California	9,025	10,249	11,840	14,196	17,018	15,146	14,022	14,600	15,000
Colorado	9,535	18,011	35,867	23,251	20,598	18,480	18,378	17,468	18,034
Florida	57,317	95,240	79,387	50,835	28,837	21,629	17,436	9,601	9,112
Indiana	1,756	1,835	1,764	1,578	1,546	1,398	686	867	726
Kansas	95,921	104,913	118,304	182,119	243,011	241,700	170,283	159,942	172,185
Kentucky	876	12,544	13,737	14,283	13,461	23,735	12,507	9,727	14,960
Louisiana	513,151	803,147	971,677	859,930	803,183	731,760	653,594	439,237	462,703
Maryland	4	3	2	1	3	1	1	2	2
Michigan	48,936	85,554	87,867	83,188	82,556	81,704	64,766	48,250	41,826
Mississippi	69,011	108,145	113,669	99,159	96,888	82,382	49,355	49,774	44,322
Montana	35,697	54,710	100,811	119,683	134,862	132,360	116,054	84,054	17,976
Nebraska	3,655	4,776	5,969	4,325	5,128	4,455	2,717	2,625	2,289
Nevada	NA	4	3	25	98	152	134	160	180
New Mexico	287,152	369,331	348,437	347,548	381,537	365,029	234,000	262,290	238,541
North Dakota	53,593	91,210	126,138	166,700	160,436	136,200	81,775	90,665	72,215
Ohio	1,579	1,731	1,333	1,856	4,396	5,752	6,045	5,316	5,148
Oklahoma	437,306	601,846	744,629	778,169	709,917	709,364	571,965	372,883	392,637
Oregon	0	0	427	416	318	429	241	121	139
South Dakota	764	1,270	1,707	1,707	1,557	1,824	1,821	979	1,243
Tennessee	378	530	931	1,398	1,201	980	476	398	343
Texas	1,527,867	2,204,602	2,373,846	2,251,314	2,215,647	2,163,018	1,547,926	1,178,052	1,055,563
Utah	10,584	16,041	22,296	26,021	38,443	49,354	46,110	22,781	30,981
West Virginia	21,852	28,591	37,609	36,590	44,125	50,777	55,331	40,133	29,553
Wyoming	67,302	260,698	270,372	255,798	270,180	244,316	137,999	138,915	133,836
Total U.S.	**3,807,638**	**6,127,985**	**7,132,960**	**6,909,088**	**6,803,677**	**6,575,998**	**4,987,197**	**3,648,658**	**3,631,831**

Data from Oil & Gas Journal Energy Database.
Source: Independent Petroleum Association of America

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Active Rigs Offshore
Total U.S.

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1970	102.3	101.8	100.8	92.9	86.0	86.4	83.8	85.2	84.6	87.8	92.0	88.3	**91.0**
1971	84.8	88.3	77.4	75.8	80.0	78.3	79.8	77.0	82.3	75.6	75.4	79.8	**79.5**
1972	83.8	86.1	90.3	90.1	80.8	82.7	75.6	78.5	87.3	85.0	83.0	89.8	**84.4**
1973	92.4	82.0	75.8	72.4	65.4	68.9	71.6	73.1	71.6	72.8	73.8	70.6	**74.2**
1974	89.0	91.3	95.8	101.0	93.8	90.0	92.8	90.5	88.8	89.3	95.8	99.0	**93.1**
1975	90.0	89.3	99.2	98.6	98.3	104.4	107.5	111.3	111.8	120.8	113.2	116.4	**105.1**
1976	122.0	124.8	131.2	124.3	93.0	119.1	131.4	128.2	126.3	128.4	137.2	145.0	**125.9**
1977	145.6	164.8	160.5	159.6	166.4	166.2	169.4	176.6	177.4	167.8	166.8	167.5	**165.7**
1978	172.4	181.3	180.0	182.2	182.6	184.2	185.4	196.6	193.6	189.8	187.0	187.5	**185.2**
1979	207.8	201.0	203.1	207.2	197.9	204.8	205.2	207.4	215.0	210.8	204.9	216.0	**206.8**
1980	218.8	216.2	219.4	222.1	229.0	235.4	234.8	234.9	230.6	231.5	247.3	250.6	**230.9**
1981	245.1	234.1	251.8	256.4	249.4	246.4	262.4	263.8	265.5	263.9	269.8	283.1	**257.6**
1982	279.9	269.1	262.4	251.3	251.4	248.2	242.2	234.6	227.7	229.1	214.4	213.9	**243.7**
1983	217.8	215.9	209.9	213.1	209.2	201.4	178.3	180.8	174.8	176.0	202.8	209.3	**199.1**
1984	214.8	201.8	196.7	203.0	202.0	205.0	206.0	216.0	214.0	223.0	232.0	242.0	**213.0**
1985	242.0	233.0	222.0	211.0	199.0	203.0	195.0	196.0	196.0	195.0	186.0	190.0	**205.7**
1986	174.0	163.0	133.0	112.0	94.0	74.0	64.0	65.0	74.0	79.0	79.0	89.0	**100.0**
1987	87.0	75.0	76.0	73.0	76.0	85.0	96.0	109.0	113.0	116.0	119.0	128.0	**96.1**
1988	129.0	124.0	118.0	117.0	123.0	125.0	125.0	122.0	122.0	123.0	128.0	127.0	**123.6**
1989	110.0	95.0	93.0	92.0	92.0	102.0	113.0	112.0	106.0	105.0	118.0	116.0	**104.5**

Data from Oil & Gas Journal Energy Database.
Source: Baker Hughes Inc.

U.S. Offshore Wells Drilled
By Area
As Completed*

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Gulf of Mexico	1,010	899	1,066	840	800	879	904	1,130	1,048	963
Alabama Offshore	0	0	0	0	0	0	0	0	0	0
Louisiana Offshore	953	861	1,008	760	620	679	572	785	723	723
Texas Offshore	57	38	58	80	166	166	304	311	307	210
Federal Waters	0	0	0	0	14	34	28	34	18	30
Pacific Coast	144	76	80	65	79	66	28	63	85	123
California Offshore	144	76	80	65	79	66	28	63	85	123
Federal Waters	0	0	0	0	0	0	0	0	0	0
Alaska	19	1	7	10	11	15	19	30	15	11
Alaska Offshore	19	1	7	10	11	14	18	19	11	8
Federal Waters	0	0	0	0	0	1	1	11	4	3
Atlantic Coast Fed.	0	0	0	0	0	0	0	1	7	18
Total Offshore	**1,173**	**976**	**1,153**	**915**	**890**	**960**	**951**	**1,224**	**1,155**	**1,115**
% Total U.S. Wells	**4.0**	**3.5**	**3.9**	**3.2**	**2.6**	**2.4**	**2.2**	**2.6**	**2.2**	**2.1**

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Gulf of Mexico	916	953	880	1,020	1,174	992	709	683	893	464
Alabama Offshore	0	0	3	2	1	5	4	2	1	0
Louisiana Offshore	644	680	589	801	901	647	493	488	595	274
Mississippi Offshore	0	0	0	0	0	0	0	0	0	1
Texas Offshore	245	239	240	162	189	216	102	117	166	96
Federal Waters	27	34	48	55	83	124	110	76	131	93
Pacific Coast	137	193	235	125	144	96	49	48	41	25
California Offshore	137	193	231	103	132	92	41	42	35	22
Federal Waters	0	0	4	22	12	4	8	6	6	3
Alaska	10	5	12	6	4	16	14	6	11	10
Alaska Offshore	6	5	11	6	2	6	8	5	10	9
Federal Waters	4	0	1	0	2	10	6	1	1	1
Atlantic Coast Fed.	4	5	7	1	3	0	0	0	0	0
Total Offshore	**1,067**	**1,156**	**1,134**	**1,152**	**1,325**	**1,104**	**772**	**737**	**945**	**499**
% Total U.S. Wells	**1.5**	**1.3**	**1.3**	**1.5**	**1.6**	**1.6**	**1.9**	**2.1**	**3.0**	**2.0**

* Subject to revision as additional wells are reported which were completed in recent years.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute

U.S. Production of Crude Oil and Natural Gas
Onshore and Offshore

	Crude Oil Production			Natural Gas Production		
	Offshore	Onshore	Total	Offshore	Onshore	Total
	000 bbl.			Mmcf		
1954	48,825	2.266.387	2,314,988	70,611	8,671,935	8,742,546
1955	60,543	2,425,289	2,484,428	109,132	9,296,219	9,405,351
1956	75,131	2,543,889	2,617,283	124,670	9,957,253	10,081,923
1957	85,320	2,533,249	2,616,901	152,403	10,527,855	10,680,258
1958	87,940	2,362,773	2,448,987	223,607	10,806,671	11,030,278
1959	102,704	2,474,511	2,574,590	314,050	11,732,065	12,046,115
1960	122,274	2,458,170	2,574,933	408,166	12,362,872	12,771,038
1961	138,486	2,488,382	2,621,758	451,027	12,802,998	13,254,025
1962	172,210	2,513,972	2,676,189	629,983	13,246,639	13,876,622
1963	192,765	2,564,621	2,752,723	759,959	13,906,600	14,666,559
1964	217,386	2,572,003	2,786,822	839,842	14,622,301	15,462,143
1965	241,578	2,605,862	2,848,514	931,038	15,108,715	16,039,753
1966	301,726	2,727,493	3,027,763	1,359,958	15,846,670	17,206,628
1967	367,922	2,847,565	3,215,742	1,699,198	16,472,127	18,171,325
1968	471,984	2,857,851	3,329,042	2,319,543	17,002,857	19,322,400
1969	530,282	2,845,919	3,371,751	2,745,429	17,952,811	20,698,240
1970	583,465	2,941,736	3,517,450	3,287,388	18,633,254	21,920,642
1971	625,697	2,839,160	3,453,914	3,590,850	19,352,162	22,943,012
1972	621,315	2,847,796	3,455,368	3,883,885	18,647,813	22,531,698
1973	583,365	2,781,905	3,360,903	3,976,454	18,671,095	22,647,549
1974	535,698	2,658,949	3,202,585	4,246,505	17,354,017	21,600,522
1975	496,537	2,559,513	3,056,779	4,164,727	15,943,934	20,108,661
1976	467,824	2,513,710	2,976,180	4,315,396	15,637,042	19,952,438
1977	439,173	2,555,589	2,985,360	4,496,927	15,528,536	20,025,463
1978	416,325	2,763,471	3,178,216	5,134,039	14,839,994	19,974,033
1979	398,595	2,731,902	3,121,310	5,444,904	15,026,356	20,471,260
1980	379,649	2,767,840	3,146,365	5,650,097	14,529,627	20,179,724
1981	385,421	2,751,214	3,128,624	5,693,432	14,262,391	19,955,823
1982	412,283	2,751,565	3,156,715	5,466,050	13,053,625	18,519,675
1983	434,547	2,711,829	3,170,999	4,734,843	12,087,301	16,822,144
1984	458,332	2,791,364	3,249,696	5,220,061	13,009,577	18,229,638
1985	456,250	2,818,303	3,274,553	4,631,756	12,566,243	17,197,999
1986	458,805	2,709,447	3,168,252	4,588,566	12,202,344	16,790,910
1987	442,471	2,604,907	3,047,378	5,078,136	12,270,401	17,348,537
1988	413,214	2,565,909	2,979,123	5,171,435	12,636,878	17,808,313
1989	384,345	2,394,428	2,778,773	3,387,310	14,555,832	17,943,142

Data from Oil & Gas Journal Energy Database.

Source: Bureau of Mines, Energy Information Administration, Minerals Management Service, Oil & Gas Journal, Offshore Magazine

U.S. Offshore Crude Oil Production
By State
Thousands of barrels

	Alaska	California	Louisiana	Texas	Total U.S.
Pre-1954	0.0	422,385.0	23,556.5	0.0	445,941.5
1954	0.0	32,665.0	16,149.9	10.0	48,824.9
1955	0.0	33,252.0	27,135.0	156.0	60,543.0
1956	0.0	32,348.0	42,643.1	140.3	75,131.4
1957	0.0	30,561.0	54,503.4	255.8	85,320.2
1958	0.0	28,363.0	59,107.1	470.0	87,940.1
1959	0.0	26,787.0	75,417.4	499.3	102,703.7
1960	0.0	28,074.0	93,632.9	567.1	122,274.0
1961	0.0	29,887.0	108,306.8	292.0	138,485.8
1962	0.0	34,613.0	136,793.2	803.5	172,209.7
1963	0.0	38,346.0	153,749.9	668.8	192,764.7
1964	0.0	40,526.0	176,281.8	578.0	217,385.8
1965	31.8	42,772.0	198,217.9	556.7	241,578.4
1966	2,652.7	53,294.0	244,528.9	1,250.2	301,725.8
1967	15,933.0	64,807.0	284,036.0	3,145.9	367,921.9
1968	52,524.6	85,338.9	330,474.3	3,646.7	471,984.5
1969	60,886.9	99,001.8	367,410.0	2,983.6	530,282.3
1970	70,472.0	104,491.9	405,474.7	3,026.6	583,465.2
1971	66,793.3	101,922.6	454,821.7	2,159.1	625,696.7
1972	64,336.6	95,730.7	458,775.2	2,472.8	621,315.3
1973	62,427.3	89,497.9	429,154.5	2,285.4	583,365.1
1974	60,630.2	83,983.6	389,124.1	1,959.9	535,697.8
1975	60,709.2	79,578.7	354,554.9	1,693.9	496,536.7
1976	55,190.9	70,624.6	340,245.2	1,763.1	467,823.8
1977	50,575.7	60,491.5	324,576.3	3,529.3	439,172.8
1978	45,712.5	55,610.5	310,437.0	4,565.2	416,325.2
1979	38,922.7	53,163.7	300,368.9	6,139.6	398,594.9
1980	32,726.5	50,177.7	284,280.0	12,464.6	379,648.8
1981	28,447.1	58,769.7	282,095.4	16,108.4	385,420.6
1982	24,680.9	68,244.8	300,339.1	19,018.0	412,282.8
1983	21,911.9	68,230.1	322,408.0	21,996.7	434,546.7
1984	19,631.1	69,762.6	344,877.3	24,060.8	458,331.8
1985	12,644.2	69,370.3	362,649.7	22,816.6	467,480.8
1986	15,349.2	63,925.3	365,872.2	21,927.3	467,074.1
1987	13,941.7	63,917.1	332,852.7	26,422.9	437,134.4
1988	13,429.4	60,817.9	286,020.5	27,615.4	387,883.2

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

U.S. Offshore Natural Gas Production
By State
Millions of cubic feet

	Alaska	California	Louisiana	Texas	Total U.S.
Pre-1954	0.0	0.0	36,435.1	0.0	36,435.1
1954	0.0	0.0	67,170.8	3,440.0	70,610.8
1955	0.0	0.0	102,252.4	6,880.0	109,132.4
1956	0.0	0.0	117,789.7	6,880.0	124,669.7
1957	0.0	0.0	138,638.4	13,765.0	152,403.4
1958	0.0	0.0	199,527.1	24,080.0	223,607.1
1959	0.0	0.0	289,970.0	24,080.0	314,050.0
1960	0.0	1,113.0	376,092.9	30,960.0	408,165.9
1961	0.0	5,903.0	431,363.5	13,760.0	451,026.5
1962	0.0	10,671.0	578,032.2	41,280.0	629,983.2
1963	0.0	25,769.0	703,230.1	30,960.0	759,959.1
1964	0.0	35,323.0	773,559.0	30,960.0	839,842.0
1965	10.9	40,770.0	862,737.5	27,520.0	931,038.4
1966	1,200.1	46,839.0	1,248,236.7	63,682.3	1,359,958.1
1967	9,046.3	46,732.0	1,482,621.9	160,797.5	1,699,197.7
1968	25,806.8	86,564.7	1,906,482.7	300,689.1	2,319,543.3
1969	43,243.5	83,903.9	2,380,224.9	238,056.4	2,745,428.7
1970	83,139.5	71,121.3	2,868,465.6	264,661.2	3,287,387.6
1971	86,326.3	61,448.1	3,207,475.1	235,600.0	3,590,849.5
1972	76,818.6	44,780.7	3,485,002.9	277,282.5	3,883,884.7
1973	74,655.1	37,882.9	3,612,878.4	251,038.0	3,976,454.4
1974	74,672.5	34,504.7	3,867,751.4	269,576.7	4,246,505.3
1975	76,294.5	27,271.7	3,840,631.1	220,530.0	4,164,727.3
1976	74,142.8	22,459.1	4,012,800.8	205,993.4	4,315,396.1
1977	77,539.5	17,527.1	4,133,609.9	268,250.0	4,496,926.5
1978	74,910.5	17,668.4	4,639,459.8	402,000.0	5,134,038.7
1979	73,792.4	16,417.1	4,635,486.9	719,207.9	5,444,904.3
1980	64,543.2	16,181.8	4,422,491.6	879,019.7	5,382,236.3
1981	72,307.3	26,237.0	4,480,934.4	966,983.0	5,546,461.7
1982	68,392.5	31,758.1	4,163,089.4	1,104,987.2	5,368,227.2
1983	68,836.8	29,877.6	3,490,146.4	998,951.5	4,587,812.3
1984	68,688.2	41,643.5	3,892,102.8	1,043,384.2	5,045,818.7
1985	62,796.0	68,647.3	3,346,856.2	943,057.2	4,421,356.7
1986	63,351.0	60,941.9	3,155,961.2	1,093,496.8	4,373,750.9
1987	61,233.3	53,990.7	3,401,277.5	1,303,074.5	4,819,576.0
1988	66,970.8	45,285.9	3,307,312.4	1,276,500.1	4,696,069.2

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

U.S. Federal Offshore Leasing Activity

	No. of	-----Tracts------		---------Acres----------		Bonuses Paid for Leases
	Sales	Offered	Leased	Offered	Leased	(Dollars)
1954	3	345	114	1,384,238	486,870	140,969,005
1955	1	210	121	674,095	402,567	108,528,726
1959	2	118	42	539,813	171,300	89,746,992
1960	2	395	148	1,632,339	707,026	246,985,034
1962	3	830	420	3,718,115	1,929,177	489,481,061
1963	1	129	57	669,777	312,945	12,807,337
1964	2	224	124	1,124,102	613,524	95,874,327
1965	1	658	50	947,520	72,000	33,740,309
1966	3	71	42	265,886	141,768	209,199,893
1967	2	214	159	988,484	746,951	510,109,742
1968	3	305	197	1,315,984	934,164	1,346,487,097
1969	3	185	40	355,758	114,282	111,660,685
1970	2	161	138	666,845	598,540	945,064,773
1971	1	18	11	55,872	37,222	96,304,523
1972	2	210	178	970,711	826,195	2,251,347,556
1973	2	276	187	1,514,940	1,032,570	3,082,462,611
1974	4	1,006	356	5,006,881	1,762,158	5,022,860,815
1975	4	1,374	321	7,247,327	1,679,877	1,088,133,152
1976	4	536	246	2,827,342	1,277,937	2,242,898,467
1977	2	358	211	1,843,116	1,100,734	1,568,564,745
1978	4	586	249	3,140,696	1,297,274	1,767,042,064
1979	6	666	351	3,412,249	1,767,443	5,078,861,693
1980	3	483	218	2,563,452	1,134,238	4,204,640,257
1981	7	1,398	430	7,679,740	2,265,537	6,652,980,897
1982	5	1,410	357	7,637,122	1,886,359	3,987,490,009
1983	7	21,689	1,251	120,054,037	6,587,879	5,749,016,369
1984	6	27,984	1,400	154,383,680	7,494,803	4,037,050,308
1985	3	15,754	667	87,028,709	3,512,043	1,539,464,714
1986	2	10,724	142	58,670,103	734,418	187,094,747
1987	2	10,926	640	59,762,077	3,447,809	497,247,006
1988	7	28,382	1,523	158,016,214	8,274,463	1,223,752,174

Note: In addition to oil and gas sales data is included for 3 sulphur sales (1954, 1965, 1969) and 2 salt sales (1960, 1967).

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

Crude Oil Spills in Federal Waters

	Gulf of Mexico			Pacific Coast			
	No. of Spills 1-50 bbl.	No. of Spills More than 50 bbl.	Total Barrels Spilled	No. of Spills 1-50 bbl.	No. of Spills More than 50 bbl.	Total Barrels Spilled	Total Seepage* in bbl.
1970	8	5	83,894	0	0	0	NA
1971	267	7	2,446	0	0	0	10325
1972	203	1	997	0	0	0	NA
1973	178	5	23,125	0	0	0	1,825
1974	80	7	24,453	0	0	0	1,460
1975	109	2	761	0	0	0	1,460
1976	66	4	5,103	1	0	2	1,458
1977	71	3	1,087	1	0	4	1,458
1978	79	3	1,528	0	0	0	1,456
1979	114	4	2,700	1	0	2	1,456
1980	50	9	2,922	1	0	5	1,456
1981	65	5	5,793	9	0	73	1,456
1982	70	3	1,174	1	0	3	1,456
1983	91	9	2,552	2	0	4	912
1984	59	1	380	3	0	36	730
1985	66	5	1,613	1	0	5	365
1986	40	2	356	2	0	11	365
1987	34	1	232	2	0	10	365
1988	29	3	15,285	1	0	2	365

* Represents seepage in the Santa Barbara Channel. 1972 figure is total for 1970 through 1972.

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

Blowouts and Spillage from Federal Offshore Oil Wells

	No. of Well Starts	---Drilling Blowouts---				-------Non-Drilling Blowouts-------						Total No. of Blowouts	Spills in Bbl.	Production in Mill bbl.
		Exploration		Development		Production		Workover		Completion				
		No.	Bbl.	No.	Bbl.	No.	Bbl.	No.	Bbl.	No.	Bbl.			
1971	851	2	0	0	0	2	450	1	0	0	0	5	450	418.5
1972	845	2	0	1	0	0	0	0	0	0	0	3	0	411.9
1973	820	2	0	1	0	0	0	0	0	0	0	3	0	394.7
1974	802	0	0	1	0	2	75	1	200	0	0	4	275	360.6
1975	842	4	0	0	0	0	0	1	0	1	0	6	0	330.2
1976	1,078	1	0	4	0	1	0	0	0	0	0	6	0	316.9
1977	1,240	2	0	2	0	0	0	3	0	2	0	9	0	303.9
1978	1,164	4	0	5	0	0	0	2	0	1	0	12	0	292.3
1979	1,140	3	0	2	0	0	0	0	0	0	0	5	0	285.6
1980	1,158	3	0	1	0	1	1	2	0	1	0	8	1	277.4
1981	1,208	2	0	1	0	0	0	2	64	5	0	10	64	289.8
1982	1,255	0	0	4	0	0	0	3	0	1	0	8	0	321.2
1983	1,180	3	0	4	0	0	0	1	0	1	0	9	0	348.3
1984	1,352	3	0	2	10	0	0	1	0	0	0	6	10	370.2
1985	1,169	2	0	0	0	1	40	1	0	0	0	4	40	389.3
1986	694	1	0	0	0	0	0	1	0	0	0	2	0	389.2
1987	845	3	0	1	60	3	0	1	0	0	0	8	60	366.1
1988	950	0	0	1	0	0	0	0	0	0	0	1	0	320.7

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

Accidental Oil Tanker Spills
OCS and Worldwide

	Number of Spills	Spillage Tons	Spillage Barrels
1969	130	141,000	1,057,500
1970	74	267,000	2,002,500
1971	98	157,000	1,117,500
1972	77	260,000	1,950,000
1973	54	123,000	922,500
1974	48	67,115	503,362
1975	45	188,042	1,410,315
1976	29	204,235	1,531,762
1977	49	213,080	1,598,100
1978	35	260,488	1,953,660
1979	65	723,533	5,426,498
1980	32	135,635	1,017,262
1981	33	45,285	339,638
1982	9	1,716	12,870
1983	17	387,773	2,908,298
1984	15	24,184	181,380
1985	9	79,830	598,725
1986	8	5,035	37,762
1987	12	8,700	65,250
1988	13	178,265	1,336,988

Note: 1969-1982 is for oil tankers of 6,000 DWT and over;
1983-1989 is for oil tankers of 10,000 DWT and over

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

Platform Installations and Removals
U.S. Federal Offshore

	---Gulf of Mexico----		----Pacific Coast----	
	Installed	Removed	Installed	Removed
1953	41	0	0	0
1954	24	0	0	0
1955	30	1	0	0
1956	45	1	0	0
1957	55	4	0	0
1958	85	0	0	0
1959	80	1	0	0
1960	114	0	0	0
1961	111	0	0	0
1962	123	0	0	0
1963	86	2	0	0
1964	130	0	0	0
1965	126	5	0	0
1966	116	2	0	0
1967	134	0	1	0
1968	107	1	3	0
1969	105	1	1	0
1970	124	1	0	0
1971	101	4	0	0
1972	121	6	0	0
1973	98	1	0	0
1974	52	18	0	0
1975	100	32	0	0
1976	111	31	1	0
1977	116	15	1	0
1978	164	25	0	0
1979	159	43	2	0
1980	169	32	3	0
1981	171	24	2	0
1982	192	21	0	0
1983	177	36	1	0
1984	229	47	1	0
1985	214	68	3	0
1986	109	33	1	0
1987	120	24	1	0
1988	175	97	0	0

Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

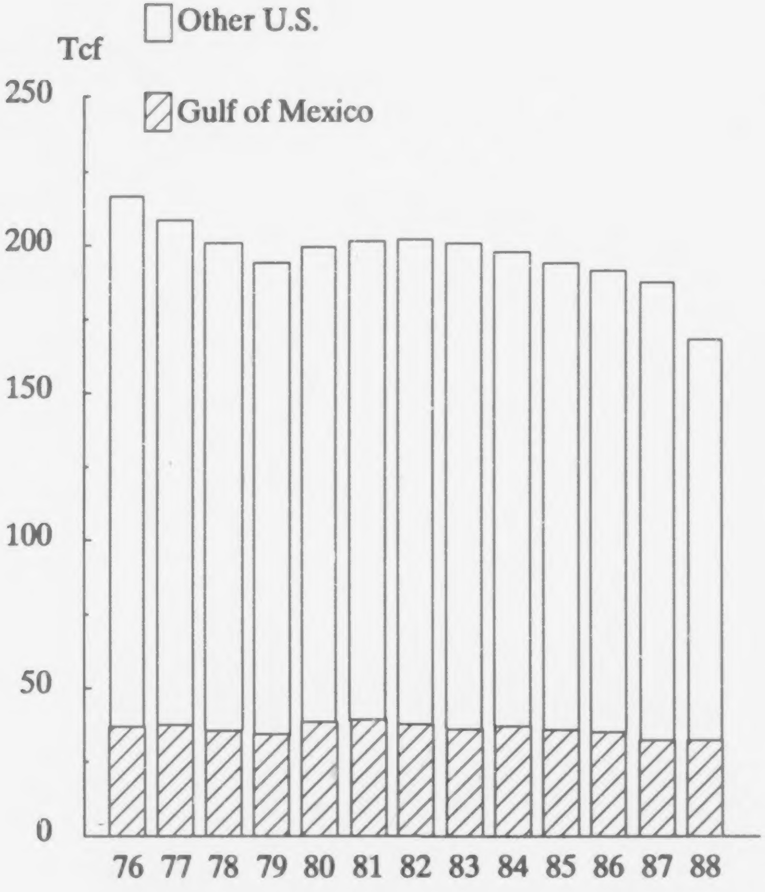
Disbursement of Mineral Revenues from Federal Offshore Leases By Fiscal Year

	To U.S. Treasury, General Fund		To Special Funds		
	Bonus & Rental Payments	Royalty Payments	Land & Water Conservation	Historic Preservation	Total Disbursement
1971	680,542,388	159,914,892	210,092,091	0	1,050,549,371
1972	28,029,742	27,645,946	223,677,068	0	279,352,756
1973	2,704,908,793	1,026,685,098	223,983,126	0	3,955,577,017
1974	6,096,405,041	408,101,161	243,887,918	0	6,748,394,120
1975	1,688,826,143	491,813,968	247,325,029	0	2,427,965,140
1976	1,385,179,272	1,000,627,187	276,641,316	0	2,662,447,775
TQ*	1,090,478,816	178,741,689	41,898,324	0	1,311,118,829
1977	1,311,994,260	804,649,966	232,339,865	24,000,000	2,372,984,091
1978	320,153,229	1,005,726,401	833,428,546	100,000,000	2,259,308,176
1979	1,088,416,655	1,337,744,641	741,214,437	100,000,000	3,267,375,733
1980	1,360,713,229	1,839,574,175	900,583,342	0	4,100,870,746
1981	6,684,689,957	2,286,169,198	867,123,128	300,000,000	10,137,982,283
1982	1,744,453,723	3,529,206,734	825,959,504	150,000,000	6,249,619,961
1983	6,579,073,584	2,947,728,610	814,693,040	150,000,000	10,491,495,234
1984	2,604,347,777	3,149,777,867	789,421,288	150,000,000	6,693,546,932
1985	1,018,662,056	3,588,937,243	784,279,198	150,000,000	5,541,878,497
1986	1,188,838,879	2,621,904,068	755,223,819	150,000,000	4,715,966,766
1987	629,745,831	2,418,156,141	823,575,610	150,000,000	4,021,477,582
1988	270,108,066	2,267,821,971	859,761,232	150,000,000	3,547,691,269

* A transitional quarter was made necessary when the Federal Government changed its fiscal yearend to September.

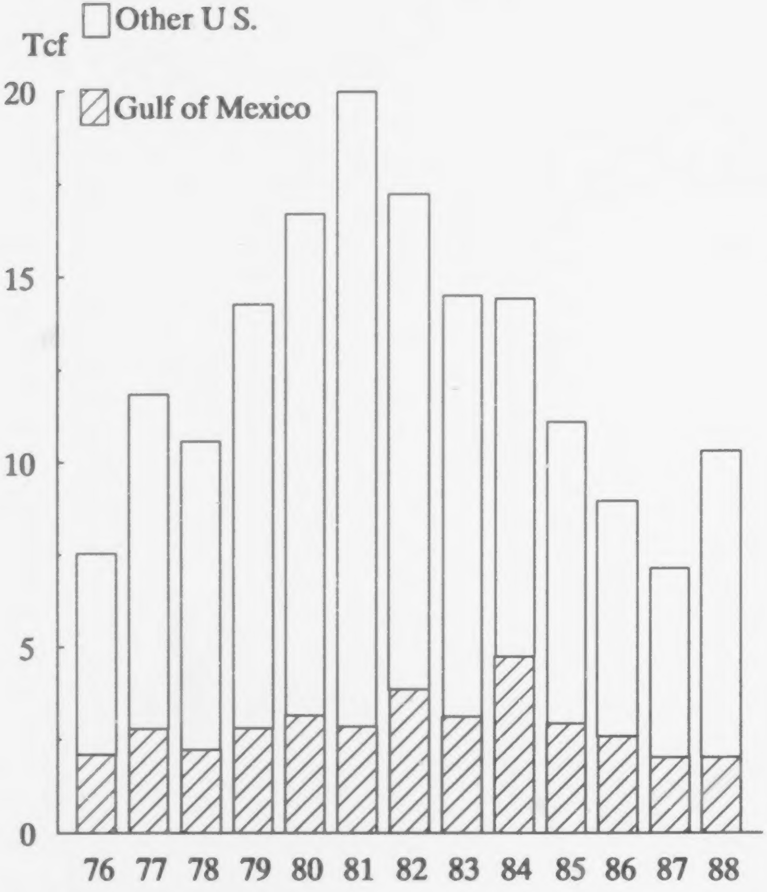
Data from Oil & Gas Journal Energy Database.
Source: Minerals Management Service

U.S. Natural Gas Reserves



Source: API, AGA, EIA

Natural Gas Reserve Additions



Source: API, AGA, EIA

Gulf of Mexico Reserves and Reserve Additions
Crude Oil and Natural Gas

	Crude Oil					Natural Gas				
	Reserves Dec. 31	Extensions	New Field Discoveries	New Reservoir Discoveries Old Fields	Total Reserve Additions	Reserves Dec. 31	Extensions	New Field Discoveries	New Reservoir Discoveries Old Fields	Total Reserve Additions
	000 bbl.					Mmcf				
1960	1,619,228	NA	NA	NA	NA	NA	NA	NA	NA	NA
1961	1,759,091	NA	NA	NA	NA	NA	NA	NA	NA	NA
1962	1,786,736	NA	NA	NA	NA	NA	NA	NA	NA	NA
1963	1,804,644	NA	NA	NA	NA	NA	NA	NA	NA	NA
1964	1,961,575	NA	NA	NA	NA	NA	NA	NA	NA	NA
1965	2,001,189	NA	NA	NA	NA	NA	NA	NA	NA	NA
1966	2,282,618	NA	NA	NA	NA	30,340,112	NA	NA	NA	NA
1967	2,379,436	NA	NA	NA	NA	34,182,892	NA	NA	NA	NA
1968	2,536,471	NA	NA	NA	NA	35,851,528	NA	NA	NA	NA
1969	2,768,557	NA	NA	NA	NA	35,306,704	NA	NA	NA	NA
1970	2,924,095	216,071	122,375	27,478	365,924	37,781,044	NA	NA	NA	NA
1971	2,748,310	81,114	13,600	9,242	103,956	38,397,672	NA	NA	NA	NA
1972	2,565,862	100,526	36,500	65,836	202,862	38,785,664	1,037,769	552,104	901,985	2,491,858
1973	2,347,525	68,337	31,780	20,145	120,262	36,785,308	765,931	736,676	547,548	2,050,155
1974	2,212,008	34,664	73,528	37,225	145,417	35,347,840	765,931	736,676	547,548	2,050,155
1975	2,099,786	55,469	113,726	85,629	254,824	37,332,640	1,438,926	1,131,935	334,912	2,905,773
1976	1,968,253	64,133	10,170	29,379	103,682	37,103,084	696,738	426,319	981,206	2,104,263
1977	1,874,498	37,579	40,483	60,440	138,502	37,555,524	940,356	976,804	891,150	2,808,310
1978	1,749,464	37,094	20,739	46,060	103,893	35,635,004	992,060	536,727	705,489	2,234,276
1979*	1,707,584	45,554	17,335	26,128	89,017	34,409,740	921,530	1,292,804	595,970	2,810,304
1980*	1,791,000	32,000	18,000	86,000	136,000	38,733,000	1,310,000	690,000	1,163,000	3,163,000
1981	2,006,000	82,000	35,000	99,000	216,000	39,451,000	943,000	1,015,000	913,000	2,871,000
1982	2,018,000	83,000	27,000	65,000	175,000	37,761,000	1,096,000	1,166,000	1,606,000	3,868,000
1983	2,038,000	127,000	33,000	88,000	248,000	36,042,000	1,064,000	893,000	1,179,000	3,136,000
1984	2,022,000	133,000	20,000	93,000	246,000	37,026,000	1,862,000	1,913,000	967,000	4,742,000
1985	2,000,000	68,000	25,000	66,000	159,000	35,885,000	1,268,000	368,000	1,317,000	2,953,000
1986	1,862,000	72,000	27,000	40,000	139,000	34,942,000	1,185,000	832,000	554,000	2,571,000
1987	1,737,000	50,000	1,000	58,000	109,000	32,537,000	682,000	766,000	580,000	2,028,000
1988	1,747,000	56,000	14,000	70,000	140,000	32,445,000	1,613,000	831,000	719,000	3,163,000

* Data from 1960-1979 is from API/AGA. Data from 1980-1987 is from EIA. Some discontinuity exists.

Data from Oil & Gas Journal Energy Database.
Source: American Petroleum Institute, American Gas Association, Energy Information Administration

Worldwide Crude Oil and Natural Gas Production
Onshore and Offshore

	Crude Oil Production			Natural Gas Production		
	Offshore	Onshore	Total	Offshore	Onshore	Total
	000 bbl.			Mmcf		
1969	2,261,175	12,961,335	15,222,510	NA	NA	NA
1970	2,749,290	13,747,177	16,496,467	5,261,019	32,832,941	38,093,960
1971	3,001,965	14,475,476	17,477,441	4,682,485	37,446,115	42,128,600
1972	3,247,186	11,449,507	14,696,693	4,017,978	41,173,122	45,191,100
1973	3,638,357	16,383,354	20,021,710	5,709,421	41,905,379	47,614,800
1974	3,397,676	16,761,968	20,159,644	6,243,850	41,080,450	47,324,300
1975	3,186,158	16,031,567	19,217,725	6,021,223	40,917,278	46,938,500
1976	3,522,104	17,254,874	20,776,978	6,848,970	41,752,831	48,601,800
1977	4,161,767	17,461,564	21,623,330	7,392,163	43,840,638	51,232,800
1978	4,196,369	17,631,727	21,828,095	9,349,110	42,954,490	52,303,600
1979	4,569,070	18,152,180	22,721,250	9,803,718	44,661,983	54,465,700
1980	4,996,668	16,720,162	21,716,830	9,963,259	45,765,741	55,729,000
1981	4,977,396	15,471,438	20,448,833	10,661,176	47,157,525	57,818,700
1982	4,949,838	14,463,052	19,412,890	10,704,209	46,050,491	56,754,700
1983	5,009,114	14,284,166	19,293,280	10,048,195	45,884,406	55,932,600
1984	5,565,958	14,295,618	19,861,576	12,670,902	47,015,098	59,686,000
1985	5,538,547	14,012,788	19,551,335	12,207,644	50,731,856	62,939,500
1986	5,082,037	15,267,735	20,349,772	11,643,325	52,506,475	64,149,800
1987	5,380,666	14,987,685	20,368,351	11,299,612	56,465,488	67,765,100
1988	5,271,355	15,957,011	21,228,366	10,948,118	60,003,882	70,952,000
1989	5,414,377	16,360,538	21,774,915	10,869,149	62,534,151	73,403,300

Data from Oil & Gas Journal Energy Database.
Source: Offshore Magazine, Oil & Gas Journal

Offshore Crude Oil Production
By Country
Thousands of barrels per day

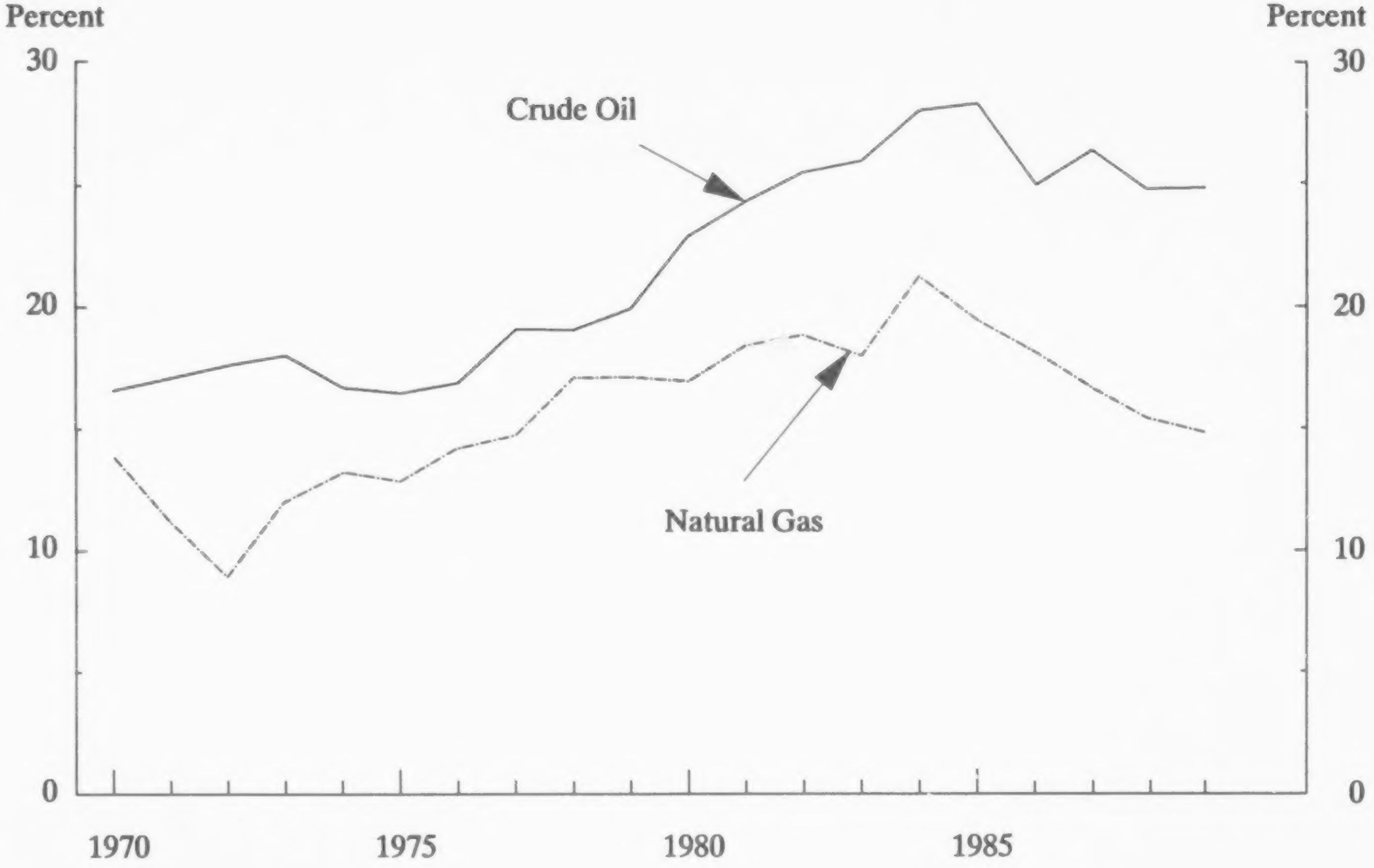
	1972	1973	1974	1975	1976	1977	1978	1979	1980
Angola-Cabinda	137.4	144.2	140.4	143.2	33.6	130.5	94.6	160.0	97.0
Australia	303.0	348.2	217.3	412.5	348.0	430.4	414.8	401.0	323.2
Brazil	8.2	17.2	20.4	19.0	35.4	28.8	38.9	72.0	73.0
Brunei	218.0	264.2	287.1	141.2	170.2	223.0	191.0	189.6	192.2
Cameroon	NA	NA	NA	NA	NA	NA	NA	NA	NA
Canada	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chile	NA	NA	NA	NA	NA	NA	NA	NA	NA
China	NA	NA	NA	NA	NA	NA	2.0	2.0	2.0
Congo	7.9	34.8	46.0	37.3	38.0	25.0	52.4	52.0	27.0
Denmark	NA	2.7	1.9	3.3	8.0	10.2	8.5	12.0	6.6
Egypt	157.0	130.8	147.2	165.0	231.1	399.0	396.0	430.0	390.3
Gabon	43.6	57.2	59.6	179.9	165.9	183.2	137.0	196.0	177.9
Ghana	NA	NA	NA	NA	NA	NA	5.0	2.0	2.0
Greece	NA	NA	NA	NA	NA	NA	NA	NA	NA
India	NA	NA	NA	NA	15.0	80.0	61.7	81.4	142.1
Indonesia	69.9	174.2	247.4	246.5	426.0	591.0	545.2	374.7	533.1
Iran	467.8	452.4	455.2	481.2	426.5	507.4	654.5	200.0	150.0
Italy	10.9	12.7	10.2	10.4	10.1	12.0	4.3	4.8	6.3
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	0.0	5.8
Japan	1.2	1.0	1.9	0.9	3.0	3.1	2.5	0.5	1.5
Libya	NA	NA	NA	NA	NA	NA	NA	NA	NA
Malaysia	NA	NA	NA	84.5	151.4	178.1	225.0	271.0	280.3
Mexico	38.0	20.8	11.9	45.0	45.4	48.4	40.2	430.0	500.2
Netherlands	NA	NA	NA	NA	NA	NA	NA	0.0	0.0
Neutral Zone	409.8	394.0	333.9	315.1	247.1	165.6	240.0	395.2	403.0
New Zealand	NA	NA	NA	NA	NA	NA	NA	0.0	3.2
Nigeria	409.0	518.4	648.9	431.3	525.1	536.4	384.4	543.5	579.1
Norway	32.3	32.3	35.6	189.6	242.6	279.7	356.5	407.3	628.8
Peru	23.8	31.4	34.4	28.9	31.8	28.6	28.9	29.1	29.9
Philippines	NA	NA	NA	NA	NA	NA	NA	26.0	4.0
Qatar	NA	NA	NA	NA	NA	244.3	260.0	275.7	247.6
Saudi Arabia	1,490.7	1,990.4	2,024.6	1,385.9	1,694.8	2,621.4	2,621.4	2,828.0	2,958.0
Spain	NA	20.0	34.1	32.9	33.3	23.0	20.0	22.2	31.3
Thailand	NA	NA	NA	NA	NA	NA	NA	0.0	0.0
Trinidad	236.0	236.0	135.1	174.0	180.1	189.3	175.6	167.4	166.5
Tunisia	NA	NA	NA	43.0	37.0	45.5	45.2	48.5	43.6
U.A.E.	474.7	675.9	645.9	750.4	905.3	976.6	978.1	971.6	1,677.0
United Kingdom	NA	NA	NA	83.0	446.0	760.0	1,070.0	1,571.4	1,650.0
United States	1,702.2	1,598.3	1,467.7	1,360.4	1,281.7	1,203.2	1,140.6	1,092.0	1,040.1
U.S.S.R.	155.0	111.0	231.0	228.0	220.0	205.0	200.0	190.0	200.0
Venezuela	2,500.0	2,700.0	2,071.2	1,737.1	1,677.2	1,249.8	1,083.5	1,050.0	1,095.6
West Germany	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zaire	NA	NA	NA	NA	20.0	23.4	19.0	20.8	21.5
Total World	8,896.4	9,968.1	9,308.8	8,729.2	9,649.6	11,402.0	11,496.9	12,517.9	13,689.6

Offshore Crude Oil Production
By Country
Thousands of barrels per day

	1981	1982	1983	1984	1985	1986	1987	1988	1989
Angola-Cabinda	134.0	87.7	142.5	175.0	170.0	185.6	185.0	450.9	420.0
Argentina	NA	NA	NA	NA	NA	NA	NA	NA	2.8
Australia	348.1	368.1	341.1	420.0	474.1	384.1	434.6	404.0	405.4
Brazil	91.8	176.9	197.2	313.0	375.4	376.0	396.0	376.0	616.5
Brunei	126.0	121.0	121.6	116.0	98.8	98.7	95.7	89.8	82.1
Cameroon	NA	103.6	93.4	150.0	133.0	125.0	201.3	187.1	155.2
Chile	NA	31.3	29.5	23.0	22.1	28.8	23.0	20.9	18.2
China	2.0	0.0	0.0	2.0	2.5	1.0	1.3	2.9	16.7
Congo	79.0	86.7	94.9	117.5	114.4	115.0	116.8	133.7	126.0
Denmark	15.0	34.0	43.0	46.7	52.4	11.1	12.1	14.2	11.1
Egypt	570.0	570.0	508.7	712.1	743.1	589.6	602.1	591.3	531.0
Gabon	113.4	102.5	130.0	130.0	112.8	105.0	92.6	108.3	106.9
Ghana	1.8	1.3	1.2	0.8	2.0	0.3	0.3	0.2	0.0
Greece	NA	20.9	23.0	26.1	26.4	27.2	26.2	24.2	18.2
India	160.0	257.0	342.3	432.0	614.0	621.0	584.0	618.2	625.7
Indonesia	561.0	535.7	438.5	543.3	483.0	391.9	451.5	443.6	413.9
Iran	350.0	NA	NA	NA	610.6	505.0	515.5	323.0	338.0
Italy	6.0	10.0	22.6	22.9	28.2	28.9	57.4	62.3	68.1
Ivory Coast	9.8	9.4	21.3	22.0	22.1	19.5	17.4	15.4	10.9
Japan	0.9	0.9	1.0	4.0	0.8	1.4	1.3	1.2	3.0
Libya	NA	NA	NA	NA	NA	NA	NA	20.0	47.0
Malaysia	250.0	302.2	383.0	439.4	279.5	320.9	204.3	262.7	567.0
Mexico	1,106.0	1,638.6	1,673.8	1,793.4	1,703.0	1,700.0	1,671.4	1,666.3	1,523.2
Netherlands	0.0	0.0	20.8	32.0	23.9	20.7	19.2	18.6	45.4
Neutral Zone	268.0	158.0	216.0	320.0	266.0	266.0	252.0	192.0	188.0
New Zealand	4.5	8.7	6.7	10.1	11.9	14.0	20.8	21.1	28.1
Nigeria	455.0	371.4	306.1	385.7	415.9	289.5	456.2	471.6	481.2
Norway	509.0	534.3	615.0	725.1	755.9	780.6	864.9	907.0	1,516.5
Peru	26.0	26.6	25.2	26.0	113.0	116.6	115.6	103.5	92.0
Philippines	7.8	16.5	14.7	10.6	8.5	7.8	4.7	6.0	8.8
Qatar	192.7	167.5	129.2	202.1	196.0	158.0	191.3	153.0	191.0
Romania	NA	NA	NA	NA	NA	4.0	3.2	5.3	4.5
Saudi Arabia	3,000.0	2,392.0	2,100.0	2,100.0	1,505.9	1,107.0	1,510.3	1,481.3	1,381.1
Spain	21.8	28.4	57.8	44.8	49.1	36.1	35.1	30.2	20.4
Taiwan	NA	NA	NA	NA	NA	NA	3.0	2.4	1.9
Thailand	0.0	6.0	6.8	8.0	13.4	15.9	14.3	19.3	21.2
Trinidad	154.0	135.2	123.3	137.5	135.7	127.8	128.3	117.2	112.3
Tunisia	34.0	30.5	39.2	35.8	29.7	26.1	28.4	28.3	24.7
U.A.E	924.5	814.3	668.4	692.8	618.2	615.3	591.7	590.8	625.4
United Kingdom	1,800.0	2,060.0	2,270.9	2,479.2	2,548.6	2,363.6	2,314.7	2,094.7	1,792.8
United States	1,055.9	1,129.5	1,190.5	1,255.7	1,250.0	1,257.0	1,212.3	1,129.0	1,053.0
U.S.S.R.	196.0	177.0	175.0	168.0	165.0	165.0	207.0	201.6	183.2
Venezuela	1,043.6	1,026.1	1,128.2	1,100.0	951.1	900.0	1,061.6	989.0	932.0
West Germany	NA	NA	NA	NA	NA	NA	NA	10.7	11.7
Zaire	19.0	21.5	21.3	26.8	17.6	16.6	17.5	13.5	11.9
Total World	**13,636.7**	**13,561.2**	**13,723.6**	**15,249.2**	**15.143.3**	**13,923.5**	**14,741.5**	**14,402.5**	**14,834.0**

Data from Oil & Gas Journal Energy Database.
Source: Offshore Magazine, Minerals Management Service

World Production of Crude and Natural Gas
Percentage from Offshore



Source: Offshore Mag., OGJ

PENNWELL OGJSS260

North Sea Crude Oil Production
Thousands of barrels per day

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1971	1.7	1.7	1.7	1.6	1.6	1.6	8.4	12.1	16.6	19.1	13.2	14.4	**7.8**
1972	11.1	33.0	36.7	42.6	41.5	40.9	50.7	51.0	45.7	44.6	29.3	31.4	**38.2**
1973	43.6	33.0	47.9	34.4	44.6	46.0	40.7	41.0	41.0	44.0	44.0	9.5	**39.1**
1974	8.0	31.0	23.0	17.0	36.0	44.0	53.0	53.0	56.0	50.0	63.0	52.0	**40.5**
1975	262.0	83.0	129.0	156.0	156.0	234.0	279.0	247.0	319.0	282.0	253.0	371.0	**230.9**
1976	382.0	397.0	396.0	339.0	357.0	485.0	577.0	583.0	616.0	677.0	643.0	823.0	**522.9**
1977	881.0	982.0	1,042.0	958.0	985.0	1,035.0	990.0	1,103.0	1,121.0	1,153.0	1,137.0	1,252.0	**1,053.3**
1978	1,287.0	1,337.0	1,241.0	1,356.0	1,462.0	1,393.0	1,460.0	1,490.0	1,464.0	1,517.0	1,647.0	1,715.0	**1,447.4**
1979	1,877.0	1,877.0	1,705.0	1,859.0	2,028.0	2,106.0	2,089.0	2,058.0	2,159.0	1,982.0	2,029.0	2,055.0	**1,985.3**
1980	2,186.1	2,279.1	2,245.1	2,092.1	2,183.1	2,149.1	1,853.1	2,080.1	2,041.1	2,103.1	2,271.1	2,381.2	**2,155.4**
1981	2,290.2	2,336.2	2,408.2	2,376.2	2,290.2	2,373.2	2,321.2	2,116.2	2,315.2	2,262.2	2,381.2	2,413.2	**2,323.6**
1982	2,437.6	2,407.6	2,482.6	2,642.6	2,577.6	2,545.6	2,615.6	2,580.6	2,629.6	2,618.6	2,717.6	2,746.6	**2,583.5**
1983	2,701.0	2,982.0	2,911.0	2,821.0	2,789.0	2,732.0	3,015.0	2,911.0	3,033.0	3,073.0	3,199.0	3,266.0	**2,952.8**
1984	3,273.4	3,324.4	3,202.4	3,224.4	3,197.4	3,102.4	3,157.4	3,058.4	3,221.4	3,448.4	3,450.4	3,524.4	**3,265.4**
1985	3,515.9	3,447.9	3,451.9	3,476.9	3,454.9	2,927.9	3,309.9	3,117.9	3,505.9	3,648.9	3,635.9	3,452.9	**3,412.2**
1986	3,674.9	3,684.9	3,672.9	2,997.0	3,432.0	3,163.0	3,656.0	3,591.0	3,484.0	3,602.0	3,575.0	3,472.0	**3,500.4**
1987	3,813.0	3,643.0	3,622.0	3,696.0	3,683.0	2,914.0	3,619.0	3,330.0	3,579.0	3,732.0	3,756.0	3,551.0	**3,578.2**
1988	3,773.0	3,757.0	3,766.0	3,819.0	3,667.0	3,092.0	3,383.0	3,271.0	3,372.0	3,406.0	3,432.0	3,429.0	**3,513.9**
1989	3,358.0	3,248.0	3,438.0	3,427.0	3,211.0	2,821.0	3,448.0	3,527.0	3,510.0	3,664.0	3,666.0	3,510.0	**3,402.3**

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Offshore Natural Gas Production
By Country
Millions of cubic feet per day

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Angola	NA	NA	NA	NA	24.2	26.0	27.1	30.2	33.8	39.2	42.0
Australia	540.0	388.0	551.7	550.0	610.0	638.0	677.0	725.3	821.0	840.2	1,098.7
Brazil	91.4	100.0	116.1	94.8	193.3	221.0	235.0	215.0	389.0	454.0	591.0
Brunei	1,030.0	984.8	875.0	850.0	900.0	900.0	833.0	815.0	822.0	814.0	788.0
Chile	NA	NA	NA	NA	NA	NA	95.4	92.0	96.7	90.3	83.0
China	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0	6.0
Colombia	33.0	64.7	156.0	99.1	34.8	176.0	219.0	127.0	212.8	245.0	NA
Congo	NA	NA	NA	NA	NA	3.0	3.0	3.0	0.0	0.0	0.0
Denmark	NA	NA	NA	NA	NA	53.2	119.0	145.1	164.4	171.0	208.3
Egypt	65.0	57.9	60.0	73.0	94.1	116.0	112.0	110.0	120.9	115.0	126.0
Gabon	0.0	0.0	7.8	NA	7.8	0.1	0.3	NA	NA	NA	NA
Ghana	NA	8.0	8.0	7.4	NA	NA	NA	NA	NA	NA	NA
Greece	NA	NA	NA	NA	8.2	3.0	8.7	8.7	9.1	9.7	8.2
India	48.5	2.7	2.2	141.0	188.6	276.5	316.2	372.3	430.4	433.0	523.3
Indonesia	439.3	440.0	632.0	550.0	657.0	872.0	757.0	663.7	793.0	830.0	624.7
Ireland	125.0	125.0	124.0	150.0	220.0	223.1	230.3	230.0	232.1	297.0	192.0
Italy	23.0	22.0	884.0	1,018.0	312.3	408.1	414.7	415.1	420.7	365.3	440.0
Ivory Coast	NA	NA	NA	NA	NA	NA	NA	1.9	1.9	1.3	0.0
Japan	35.0	47.7	30.0	27.7	27.0	27.0	26.0	55.0	51.0	46.0	7.4
Malaysia	NA	NA	NA	NA	722.0	400.0	486.0	1,440.3	1,412.0	1,320.0	1,810.0
Mexico	22.8	25.0	584.7	895.9	901.4	1,002.5	937.0	127.0	212.8	245.0	255.0
Netherlands	1,062.3	1,170.0	1,140.0	1,071.0	1,257.0	1,528.1	1,537.7	1,480.0	1,645.0	1,591.0	1,866.6
New Zealand	NA	NA	NA	163.0	177.4	336.0	513.0	369.0	287.0	271.0	270.0
Nigeria	NA	NA	NA	NA	67.7	93.0	92.8	98.0	96.9	114.1	101.0
Norway	2,252.8	2,426.0	2,837.5	2,500.0	3,093.0	2,976.0	2,910.0	3,011.0	2,862.7	2,800.2	2,844.0
Oman	NA	NA	NA	NA	NA	52.0	48.0	35.1	NA	NA	NA
Qatar	NA	NA	NA	NA	85.0	92.2	97.3	94.0	96.3	98.4	114.5
Saudi Arabia	NA	NA	NA	NA	540.0	560.0	580.3	501.0	531.9	526.7	555.2
Spain	NA	NA	NA	NA	NA	26.6	26.0	45.5	91.9	82.9	77.4
Taiwan	NA	NA	NA	NA	NA	NA	NA	NA	19.3	20.2	16.0
Thailand	NA	NA	NA	NA	NA	256.0	346.0	341.9	353.0	550.0	579.2
Trinidad	404.4	420.0	500.0	488.3	470.0	350.0	346.0	367.5	386.8	374.6	366.6
United Arab Emirates	627.0	1,434.0	710.0	317.0	909.1	822.1	706.0	696.3	735.0	701.2	707.0
United Kingdom	3,981.5	3,610.0	3,462.0	3,703.0	3,824.0	5,560.0	5,826.0	5,600.0	4,468.1	4,423.0	4,323.1
United States	14,917.5	14,745.9	15,195.8	14,707.5	12,569.3	13,824.2	12,113.3	11,917.0	11,363.7	10,444.4	9,280.3
U.S.S.R.	1,161.0	1,225.0	1,332.0	1,420.0	NA	1,520.0	1,475.0	1,300.0	1,400.0	1,330.0	1,341.0
Venezuela	NA	NA	NA	NA	696.3	677.0	638.3	628.6	609.3	601.1	533.0
Total World	**26,859.5**	**27,296.6**	**29,208.7**	**28,826.6**	**28,589.6**	**34,018.5**	**32,752.4**	**32,061.6**	**31,170.6**	**30,247.9**	**29,778.5**

Data from Oil & Gas Journal Energy Database.
Source: Offshore Magazine, Minerals Management Service

Offshore Wells Drilled
By Country

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Angola-Cabinda	NA	0	0	9	7	2	21	58	74	44	49	38	36	45	55
Argentina	NA	NA	4	4	2	5	9	10	9	0	5	2	4	4	3
Australia	19	3	15	34	30	24	26	57	54	78	60	48	35	41	69
Brazil	NA	41	70	96	148	139	121	148	181	132	168	85	63	72	65
Brunei	NA	NA	NA	63	57	30	26	55	39	62	60	26	20	22	20
Cameroon	NA	NA	0	24	15	15	40	68	60	65	57	30	23	26	22
Canada	67	21	2	10	17	14	21	21	30	34	53	19	15	5	4
Chile	NA	4	21	28	34	28	NA	NA	19	16	15	11	12	10	9
China	NA	NA	NA	55	15	15	9	17	30	40	26	18	23	20	22
Congo	NA	NA	NA	27	14	2	41	73	65	17	10	12	10	12	13
Denmark	7	12	4	4	2	0	12	22	29	5	4	3	2	2	15
Ecuador	NA	NA	NA	NA	0	7	1	2	3	0	0	0	2	2	0
Egypt	21	33	44	34	37	30	83	84	133	124	132	82	88	79	74
France	NA	2	1	2	4	3	7	4	3	1	2	2	0	0	0
Gabon	NA	36	24	17	29	27	45	50	48	32	34	21	18	20	18
Germany, West	6	NA	11	7	3	3	5	9	4	12	8	1	1	3	2
Ghana	NA	NA	NA	6	2	2	3	1	2	2	2	0	0	2	2
Greece	1	NA	NA	8	6	6	9	11	0	0	0	1	1	3	0
India	NA	18	36	20	23	34	37	54	81	105	117	118	99	101	98
Indonesia	143	127	92	111	116	75	204	261	315	263	257	136	115	131	138
Iran	0	36	NA	55	3	3	2	5	5	NA	NA	0	0	0	1
Ireland	6	6	6	21	16	3	8	3	6	6	5	8	3	3	1
Italy	NA	22	27	37	36	34	44	62	51	49	43	36	32	39	33
Ivory Coast	NA	2	12	5	1	9	18	26	7	8	6	10	6	8	6
Japan	NA	2	38	9	5	7	7	10	7	23	12	3	1	1	0
Libya	NA	8	NA	0	4	5	6	5	6	3	NA	0	2	2	3
Malaysia	8	46	NA	90	73	17	86	110	108	106	112	71	78	62	109
Mexico	23	11	9	12	15	47	46	53	24	28	32	34	16	20	25
Netherlands	31	35	47	37	30	38	40	65	58	55	78	55	40	37	47
New Zealand	3	6	NA	16	2	0	4	0	2	8	5	3	5	4	4
Nigeria	64	52	310	185	25	53	46	89	47	28	25	20	14	18	20
Norway	48	30	33	69	28	36	39	80	62	78	87	72	64	76	66
Peru	39	NA	NA	44	25	53	46	89	47	70	58	32	30	16	17
Philippines	NA	10	15	7	23	12	15	11	1	2	0	2	3	5	4
Qatar	7	NA	3	2	10	3	18	15	8	13	10	4	1	2	2
Saudi Arabia	57	40	NA	56	30	37	46	84	82	70	65	48	30	32	25
Sierra Leone	NA	NA	NA	NA	0	0	0	1	0	0	0	0	0	0	0
South Africa	NA	3	5	5	8	9	15	10	14	11	17	10	8	8	5
Spain	11	25	17	19	17	16	19	21	16	15	14	10	3	6	7
Taiwan	NA	7	8	12	6	11	6	2	5	2	7	9	5	5	4
Thailand	11	17	NA	7	0	24	26	41	96	79	63	44	51	57	83
Trinidad	55	64	42	51	67	46	54	44	42	38	35	20	8	10	14
Tunisia	12	15	NA	9	16	12	15	17	12	8	10	8	3	4	3
United Arab Emirates	40	49	56	61	73	88	89	118	110	110	70	48	41	32	30
United Kingdom	136	140	201	158	151	176	209	235	223	182	157	152	138	142	151
United States*	960	951	1,224	1,155	1,115	1,067	1,156	1,134	1,152	1,325	1,104	843	764	891	972
U.S.S.R.	100	96	92	90	92	85	87	85	87	90	86	90	96	109	72
Venezuela	143	NA	275	353	16	14	12	17	17	8	7	3	4	4	3
Zaire	NA	NA	NA	NA	0	3	4	6	6	5	5	3	0	2	2
Others	140	59	13	18	56	11	24	0	32	113	1	2	11	14	12
Total World	**2,158**	**2,029**	**2,757**	**3,142**	**2,504**	**2,380**	**2,907**	**3,443**	**3,512**	**3,565**	**3,173**	**2,293**	**2,024**	**2,209**	**2,350**

* U.S. figures are as completed for 1975-1985 from API. 1986-1989 are Offshore Magazine estimates of final total.

Data from Oil & Gas Journal Energy Database.
Source: Offshore Magazine, American Petroleum Institute

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Interstate Pipeline Mileage
Miles

	Natural Gas Pipelines	Liquids Pipelines	All Pipelines
1972	246,551	173,532	420,083
1973	248,773	170,691	419,464
1974	246,872	173,341	420,213
1975	255,792	172,680	428,472
1976	254,548	174,072	428,590
1977	256,198	170,948	427,146
1978	258,576	162,452	421,028
1979	264,134	169,794	433,928
1980	274,248	172,673	446,921
1981	274,634	172,815	447,449
1982	286,999	172,549	459,548
1983	285,204	167,819	453,023
1984	258,379	173,922	432,301
1985	279,395	171,401	450,796
1986	281,881	170,014	451,895
1987	280,085	167,865	447,950
1988	281,381	170,457	451,838

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Movements of Crude Oil
By Pipeline Between PAD* Districts
Thousands of barrels

From:	PADD 1		PADD 2			PADD 3				PADD 4			PADD 5	
To:	PADD 2	PADD 3	PADD 1	PADD 3	PADD 4	PADD 1	PADD 2	PADD 4	PADD 5	PADD 2	PADD 3	PADD 5	PADD 3	PADD 4
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	647	25,729	8,552	0	445,243	0	0	96,117	39,456	0	18,235	0
1986	0	0	714	24,722	8,096	0	488,417	0	0	84,754	26,539	0	7,295	0
1987	0	0	452	27,291	7,338	0	517,670	0	0	72,253	21,468	0	7,242	0
1988	0	0	129	29,489	8,315	0	547,189	0	0	64,138	28,868	0	37,536	0
1989	0	0	367	29,831	6,653	0	605,468	0	0	47,004	19,696	0	39,658	0

Movements of Petroleum Products
By Pipeline Between PAD Districts
Thousands of barrels

From:	PADD 1		PADD 2			PADD 3				PADD 4			PADD 5	
To:	PADD 2	PADD 3	PADD 1	PADD 3	PADD 4	PADD 1	PADD 2	PADD 4	PADD 5	PADD 2	PADD 3	PADD 5	PADD 3	PADD 4
1983	67,262	0	29,928	65,788	26,419	696,410	254,382	0	19,531	18,286	5,414	13,121	0	0
1984	72,947	0	29,849	66,240	26,963	710,775	297,157	0	20,303	20,578	9,610	13,497	0	0
1985	73,103	0	32,411	54,962	26,613	708,478	275,772	0	18,778	19,593	11,148	14,047	0	0
1986	79,602	0	29,723	53,629	28,975	756,853	304,856	0	18,800	17,983	10,806	14,649	0	0
1987	81,018	0	29,402	67,438	25,626	755,574	267,915	0	20,461	17,308	12,139	15,056	0	0
1988	84,495	0	26,702	59,491	21,725	762,281	269,125	0	21,064	15,825	17,199	17,029	0	0
1989	85,806	0	24,584	59,766	23,358	764,105	274,127	0	19,713	17,638	15,208	15,668	0	0

Movements of Crude Oil and Petroleum Products
By Pipeline Between PAD Districts
Thousands of barrels

From:	PADD 1		PADD 2			PADD 3				PADD 4			PADD 5	
To:	PADD 2	PADD 3	PADD 1	PADD 3	PADD 4	PADD 1	PADD 2	PADD 4	PADD 5	PADD 2	PADD 3	PADD 5	PADD 3	PADD 4
1983	67,262	0	29,928	65,788	26,419	696,410	254,382	0	19,531	18,286	5,414	13,121	0	0
1984	72,947	0	29,849	66,240	26,963	710,775	297,157	0	20,303	20,578	9,610	13,497	0	0
1985	73,103	0	33,058	80,691	35,165	708,478	721,015	0	18,778	115,710	50,604	14,047	18,235	0
1986	79,602	0	30,437	78,351	37,071	756,853	793,273	0	18,800	102,737	37,345	14,649	7,295	0
1987	81,018	0	29,854	94,729	32,964	755,574	785,585	0	20,461	89,561	33,607	15,056	7,242	0
1988	84,495	0	26,831	88,980	30,040	762,281	816,314	0	21,064	79,963	46,067	17,029	37,536	0
1989	85,806	0	24,951	89,597	30,011	764,105	879,595	0	19,713	64,642	34,904	15,668	39,658	0

* PAD is Petroleum Administration for Defense

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Movements of Crude Oil
By Tanker and Barge Between PAD* Districts
Thousands of barrels

From:	PADD 1			PADD 2			PADD 3			PADD 5		
To:	PADD 2	PADD 3	PADD 5	PADD 1	PADD 3	PADD 5	PADD 1	PADD 2	PADD 5	PADD 1	PADD 2	PADD 3
1983	274	0	0	1,009	454	0	4,358	17,303	0	48,519	860	209,421
1984	102	912	0	254	0	0	3,536	13,506	0	36,716	6,578	173,627
1985	0	0	0	1,009	0	0	3,745	0	0	35,142	0	196,294
1986	23	0	0	1,046	0	0	3,660	0	0	28,685	0	185,508
1987	483	0	0	1,161	0	0	3,789	62	0	16,882	0	196,593
1988	38	0	0	1,452	0	0	5,629	0	0	14,834	0	157,345
1989	13	0	0	1,438	0	0	4,749	0	0	3,705	0	102,716

Movements of Petroleum Products
By Tanker and Barge Between PAD Districts
Thousands of barrels

From:	PADD 1			PADD 2			PADD 3			PADD 5		
To:	PADD 2	PADD 3	PADD 5	PADD 1	PADD 3	PADD 5	PADD 1	PADD 2	PADD 5	PADD 1	PADD 2	PADD 3
1983	26,790	3,747	0	7,154	3,957	3,712	267,476	33,364	4,281	703	0	1,050
1984	32,480	2,865	0	6,988	2,743	0	244,301	30,719	3,682	484	0	864
1985	30,834	1,543	0	5,419	8,343	0	222,927	31,395	1,419	199	0	332
1986	877	2,166	136	23,019	3,316	0	211,711	42,834	2,406	0	0	574
1987	1,194	1,980	0	22,380	4,164	0	185,697	50,125	1,419	0	0	425
1988	1,607	3,004	0	21,025	4,572	0	188,207	49,887	2,013	0	0	434
1989	1,757	2,984	0	17,824	5,473	0	196,172	49,955	3,206	1	4	197

Movements of Crude Oil and Petroleum Products
By Tanker and Barge Between PAD Districts
Thousands of barrels

From:	PADD 1			PADD 2			PADD 3			PADD 5		
To:	PADD 2	PADD 3	PADD 5	PADD 1	PADD 3	PADD 5	PADD 1	PADD 2	PADD 5	PADD 1	PADD 2	PADD 3
1983	27,064	3,747	0	8,163	4,411	3,712	271,834	50,667	4,281	49,222	860	210,471
1984	32,582	3,777	0	7,242	2,743	0	247,837	44,225	3,682	37,200	6,578	174,491
1985	30,834	1,543	0	6,428	8,343	0	226,672	31,395	1,419	35,341	0	196,626
1986	900	2,166	136	24,065	3,316	0	215,371	42,834	2,406	28,685	0	186,082
1987	1,677	1,980	0	23,541	4,164	0	189,486	50,187	1,419	16,882	0	197,018
1988	1,645	3,004	0	22,477	4,572	0	193,836	49,887	2,013	14,834	0	157,779
1989	1,770	2,984	0	19,262	5,473	0	200,921	49,955	3,206	3,706	4	102,913

* PAD is Petroleum Administration for Defense

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Net Movements of Crude Oil
By Pipeline, Tanker, and Barge
Between PAD Districts
Thousands of barrels

	PADD 1		PADD 2		PADD 3		PADD 4		PADD 5	
	Receipts	Shipments	Receipts	Shipments	Receipts	Shipments	Receipts	Shipments	Receipts	Shipments
1983	53,886	274	18,437	1,463	209,875	21,661	0	0	0	258800
1984	40,506	1,014	20,186	254	174,539	17,042	0	0	0	216921
1985	40,543	0	541,360	35,937	279,714	448,988	8,552	135,573	0	249671
1986	34,105	23	573,194	34,578	244,064	492,077	8,096	111,293	0	221488
1987	22,284	483	590,468	36,242	252,594	521,521	7,338	93,721	0	220717
1988	22,044	38	611,365	39,385	253,238	552,818	8,315	93,006	0	209715
1989	10,259	13	652,485	38,289	191,901	610,217	6,653	66,700	0	146,079

Net Movements of Petroleum Products
By Pipeline, Tanker, and Barge
Between PAD Districts
Thousands of barrels

	PADD 1		PADD 2		PADD 3		PADD 4		PADD 5	
	Receipts	Shipments	Receipts	Shipments	Receipts	Shipments	Receipts	Shipments	Receipts	Shipments
1983	1,001,671	97,799	400,084	136,958	79,956	1,275,444	26,419	36,821	40,645	1,753
1984	992,397	108,292	453,881	132,783	82,322	1,306,937	26,963	43,685	37,482	1,348
1985	969,434	105,480	430,697	127,748	76,328	1,258,769	26,613	44,788	34,244	531
1986	1,021,306	82,781	446,152	138,662	70,491	1,337,460	28,975	43,438	35,991	574
1987	993,053	84,192	417,560	149,010	86,146	1,281,191	25,626	44,503	36,936	425
1988	998,215	89,106	420,939	133,515	84,700	1,292,577	21,725	50,053	40,106	434
1989	1,002,686	90,547	429,287	131,005	83,628	1,307,278	23,358	48,514	38,587	202

Net Movements of Crude Oil and Petroleum Products
By Pipeline, Tanker, and Barge
Between PAD Districts
Thousands of barrels

	PADD 1		PADD 2		PADD 3		PADD 4		PADD 5	
	Receipts	Shipments	Receipts	Shipments	Receipts	Shipments	Receipts	Shipments	Receipts	Shipments
1983	1,055,557	98,073	418,521	138,421	289,831	1,297,105	26,419	36,821	40,645	260553
1984	1,032,903	109,306	474,067	133,037	256,861	1,323,979	26,963	43,685	37,482	218269
1985	1,009,977	105,480	972,057	163,685	356,042	1,707,757	35,165	180,361	34,244	250202
1986	1,055,411	82,804	1,019,346	173,240	314,555	1,829,537	37,071	154,731	35,991	222062
1987	1,015,337	84,675	1,008,028	185,252	338,740	1,802,712	32,964	138,224	36,936	221142
1988	1,020,259	89,144	1,032,304	172,900	337,938	1,845,395	30,040	143,059	40,106	210149
1989	1,012,945	90,560	1,081,772	169,294	275,529	1,917,495	30,011	115,214	38,587	146,281

* PAD is Petroleum Administration for Defense

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Pipeline Construction* by Size
Total Non-Communist
Mileage

	4-10" Diameter Pipeline	12-20" Diameter Pipeline	22-30" Diameter Pipeline	Greater than 30" Diameter Pipeline	Total Pipeline Mileage Constructed
1980	9,975	6,940	9,289	9,332	**35,536**
1981	9,492	5,935	6,254	8,627	**30,308**
1982	7,265	6,695	9,512	6,467	**29,939**
1983	6,382	6,213	10,546	4,510	**27,651**
1984	4,460	5,096	6,568	4,978	**21,102**
1985	7,105	5,196	3,153	2,820	**18,274**
1986	6,587	5,800	3,520	3,493	**19,400**
1987	6,071	3,706	3,546	2,610	**15,933**
1988	3,535	1,654	1,900	2,211	**9,300**
1989	3,344	3,697	1,090	1,183	**9,314**
1990	2,779	2,846	1,992	2,474	**10,091**

* Figures represent estimates of pipeline to be laid during year based on a survey done early in the year. Actual miles of pipe laid may differ.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

Pipeline Construction* By Region and Type
Mileage

GAS PIPELINES	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Africa	1,514	1,110	345	160	715	908	1,086	674	244	368	12
Asia-Pacific	588	1,568	1,103	3,120	1,638	2,780	4,733	421	626	121	635
Canada	621	2,061	2,737	1,971	961	1,929	1,479	997	708	2,375	1408
Latin America	3,392	2,088	4,148	2,813	2,592	259	1,521	1,322	1,031	978	1129
Middle East	160	25	339	299	1,218	573	509	6	9	0	355
U S.	9,272	10,986	11,974	7,770	5,437	2,869	3,163	3,400	2,754	1,978	3226
Western Europe	4,859	1,495	1,499	2,240	1,895	2,621	634	3,432	893	1,226	894
Total Non-Communist	**20,406**	**19,333**	**22,145**	**18,373**	**14,456**	**11,939**	**13,125**	**10,252**	**6,265**	**7,046**	**7,659**

CRUDE OIL PIPELINES	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Africa	376	234	1,146	1,220	455	1,413	733	312	299	265	68
Asia-Pacific	504	424	571	5	512	21	61	50	57	62	29
Canada	1,267	341	271	542	414	696	654	422	121	148	64
Latin America	2,455	577	556	590	312	221	955	464	238	104	50
Middle East	808	975	214	611	983	905	0	1,419	788	119	0
U.S.	1,966	1,441	288	1,505	1,460	472	314	874	580	231	240
Western Europe	753	309	0	355	0	280	1,881	41	20	164	201
Total Non-Communist	**8,129**	**4,301**	**3,046**	**4,828**	**4,136**	**4,008**	**4,598**	**3,582**	**2,103**	**1,093**	**652**

PRODUCTS PIPELINES	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Africa	0	317	504	467	2	0	37	0	3	0	351
Asia-Pacific	287	923	1,204	46	122	117	90	142	0	0	15
Canada	279	282	401	94	136	316	305	145	0	76	0
Latin America	1,685	837	801	2,003	480	480	288	460	360	37	381
Middle East	1,137	1,054	35	29	371	314	0	406	0	34	0
U.S.	3,457	3,191	1,511	1,811	1,234	1,052	939	946	553	1,013	983
Western Europe	156	70	292	0	165	48	18	0	16	15	50
Total Non-Communist	**7,001**	**6,674**	**4,748**	**4,450**	**2,510**	**2,327**	**1,677**	**2,099**	**932**	**1,175**	**1,780**

* Figures are estimated miles of pipeline to be laid during the year based on a survey taken at the beginning of the year. Actual miles of pipe laid may differ from these figures.

Data from Oil & Gas Journal Energy Database.
Source: Oil & Gas Journal

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Energy Consumption and Efficiency

	GNP, Billion 1982 $	Energy Consumption Trillion BTU	Energy Consumption per GNP $, 1,000 BTU	Oil Consumption Trillion BTU	Oil Consumption per GNP $, 1,000 BTU
1929	711.8	23,756	33.4	5,521	7.8
1933	501.6	16,900	33.7	4,833	9.6
1940	775.0	23,589	30.4	7,407	9.6
1946	1,077.8	30,494	28.3	10,002	9.3
1950	1,206.6	33,992	28.2	13,489	11.2
1955	1,494.9	39,703	26.6	17,524	11.7
1960	1,665.3	44,569	26.8	20,067	12.1
1965	2,087.6	53,343	25.6	23,242	11.1
1970	2,416.2	67,143	27.8	29,537	12.2
1971	2,484.8	68,348	27.5	30,570	12.3
1972	2,608.5	71,643	27.5	32,966	12.6
1973	2,744.1	74,282	27.1	34,840	12.7
1974	2,729.3	72,543	26.6	33,455	12.3
1975	2,695.0	70,546	26.2	32,731	12.1
1976	2,826.7	74,362	26.3	35,175	12.4
1977	2,958.6	76,289	25.8	37,122	12.5
1978	3,115.2	78,088	25.1	37,965	12.2
1979	3,192.4	78,898	24.7	37,123	11.6
1980	3,187.1	75,952	23.8	34,202	10.7
1981	3,248.8	73,989	22.8	31,931	9.8
1982	3,166.0	70,840	22.4	30,232	9.5
1983	3,279.1	70,497	21.5	30,054	9.2
1984	3,501.4	74,101	21.2	31,051	8.9
1985	3,618.7	73,945	20.4	30,922	8.5
1986	3,717.3	74,237	20.0	32,196	8.7
1987	3,853.7	76,845	19.9	32,865	8.5
1988	4,024.4	80,200	19.9	34,228	8.5
1989	4,144.1	81,240	19.6	34,025	8.2
1990 *	4,221.1	81,690	19.4	33,940	8.0
Rates of change, %					
1929-40	8.9	-0.7	-9.0	34.2	23.1
1940-50	55.7	44.1	-7.2	82.1	16.7
1950-70	100.2	97.5	-1.4	119.0	8.9
1970-89	71.5	21.0	-29.5	15.2	-34.4

* Estimate

Data from Oil & Gas Journal Energy Database.

Source: Department of Commerce, Energy Information Administration, Oil & Gas Journal

Total U.S. Energy Production by Source
Quadrillion BTU's

	Coal	Petroleum	Natural Gas Liquids	Natural Gas	Hydro-electric	Nuclear Electric	Geo-thermal	Wood & Waste	Total Production
1949	11.97	10.68	0.71	5.38	1.42	0.00	0.00	0.01	**30.18**
1950	14.06	11.45	0.82	6.23	1.42	0.00	0.00	0.01	**33.98**
1951	14.42	13.04	0.92	7.42	1.42	0.00	0.00	0.01	**37.22**
1952	12.74	13.28	1.00	7.96	1.47	0.00	0.00	0.01	**36.46**
1953	12.29	13.67	1.06	8.34	1.41	0.00	0.00	0.01	**36.78**
1954	10.55	13.43	1.11	8.68	1.36	0.00	0.00	0.00	**35.14**
1955	12.38	14.41	1.24	9.34	1.36	0.00	0.00	0.00	**38.74**
1956	13.32	15.18	1.28	10.00	1.43	0.00	0.00	0.00	**41.22**
1957	13.07	15.18	1.29	10.61	1.52	0.00	0.00	0.00	**41.66**
1958	10.79	14.20	1.29	10.94	1.59	0.00	0.00	0.00	**38.82**
1959	10.79	14.93	1.38	11.95	1.55	0.00	0.00	0.00	**40.61**
1960	10.83	14.93	1.46	12.66	1.61	0.01	0.00	0.00	**41.50**
1961	10.46	15.21	1.55	13.10	1.66	0.02	0.00	0.00	**42.00**
1962	10.91	15.52	1.59	13.72	1.82	0.03	0.00	0.00	**43.59**
1963	11.86	15.97	1.71	14.51	1.77	0.04	0.00	0.00	**45.86**
1964	12.53	16.16	1.80	15.30	1.89	0.04	0.00	0.00	**47.73**
1965	13.07	16.52	1.88	15.78	2.06	0.04	0.00	0.00	**49.35**
1966	13.48	17.56	2.00	17.01	2.06	0.06	0.00	0.00	**52.18**
1967	13.84	18.65	2.18	17.94	2.35	0.09	0.01	0.00	**55.05**
1968	13.62	19.31	2.32	19.07	2.35	0.14	0.01	0.00	**56.82**
1969	13.87	19.56	2.42	20.45	2.65	0.15	0.01	0.00	**59.11**
1970	14.61	20.40	2.51	21.67	2.63	0.24	0.01	0.00	**62.08**
1971	13.20	20.03	2.54	22.28	2.82	0.41	0.01	0.00	**61.31**
1972	14.09	20.04	2.60	22.21	2.86	0.58	0.03	0.00	**62.42**
1973	13.99	19.49	2.57	22.19	2.86	0.91	0.04	0.00	**62.06**
1974	14.07	18.58	2.47	21.21	3.18	1.27	0.05	0.00	**60.84**
1975	14.99	17.73	2.37	19.64	3.16	1.90	0.07	0.00	**59.86**
1976	15.65	17.26	2.33	19.48	2.98	2.11	0.08	0.00	**59.89**
1977	15.76	17.45	2.33	19.57	2.33	2.70	0.08	0.01	**60.22**
1978	14.91	18.43	2.25	19.49	2.94	3.02	0.06	0.00	**61.10**
1979	17.54	18.10	2.29	20.08	2.93	2.78	0.08	0.01	**63.80**
1980	18.60	18.25	2.25	19.91	2.90	2.74	0.11	0.00	**64.76**
1981	18.38	18.15	2.31	19.70	2.76	3.01	0.12	0.00	**64.42**
1982	18.64	18.31	2.19	18.26	3.27	3.13	0.10	0.00	**63.90**
1983	17.25	18.39	2.18	16.53	3.53	3.20	0.13	0.00	**61.22**
1984	19.72	18.85	2.27	17.93	3.35	3.55	0.16	0.01	**65.85**
1985	19.33	18.99	2.24	16.91	2.94	4.15	0.20	0.01	**64.77**
1986	19.51	18.38	2.15	16.47	3.02	4.47	0.22	0.01	**64.23**
1987	20.14	17.68	2.22	17.05	2.59	4.91	0.23	0.02	**64.82**
1988	20.74	17.28	2.26	17.49	2.31	5.66	0.22	0.02	**65.97**
1989	21.33	16.12	2.16	17.61	2.75	5.69	0.20	0.02	**65.87**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total U.S. Energy Production by Source
Quadrillion BTU's

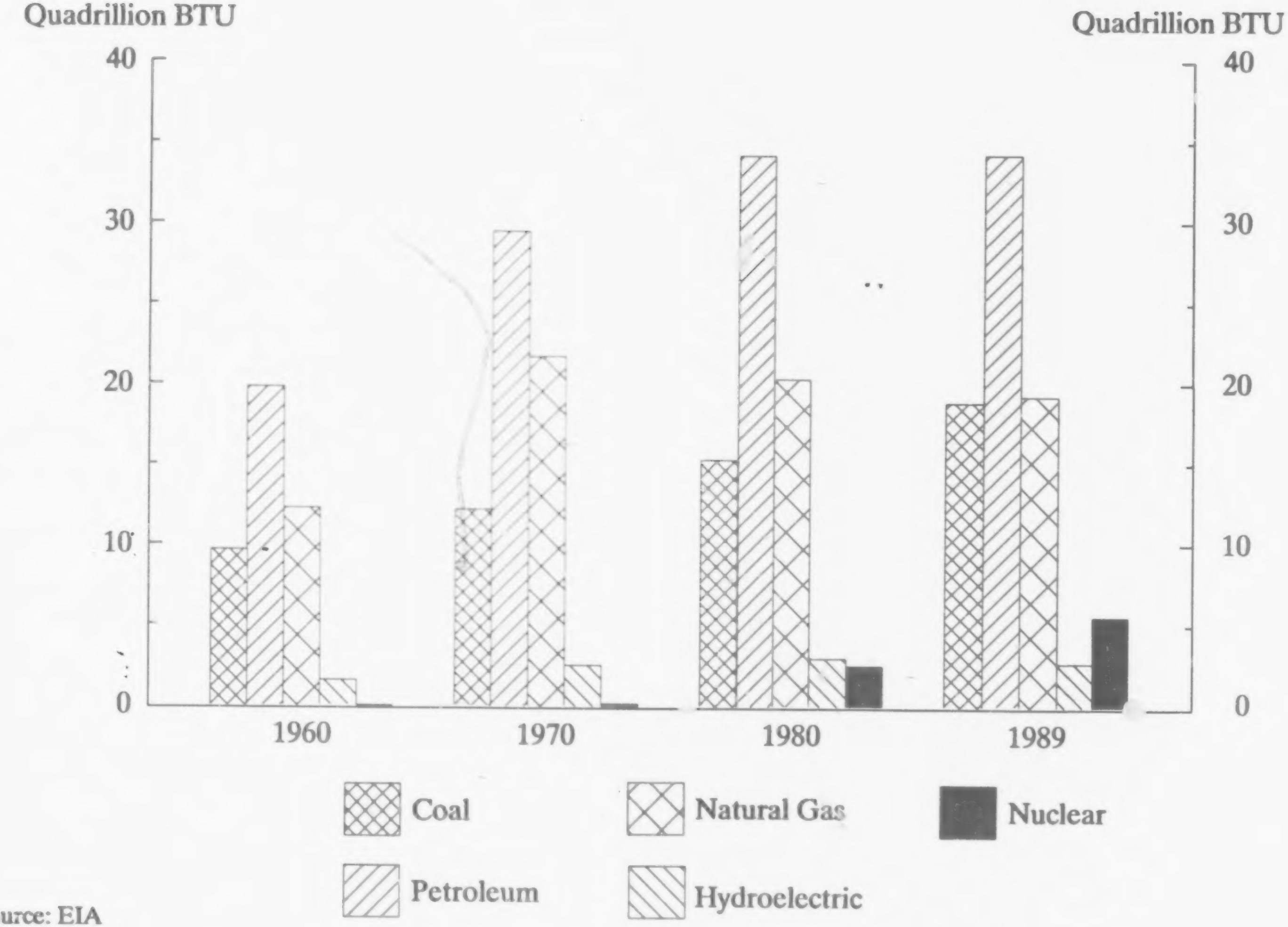
	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1980													
Coal	1.57	1.48	1.50	1.57	1.30	1.61	1.38	1.55	1.55	1.63	1.55	1.63	**18.32**
Crude Oil	1.55	1.46	1.57	1.51	1.55	1.49	1.54	1.51	1.50	1.53	1.48	1.55	**18.24**
Natural Gas Liquids	0.20	0.19	0.19	0.19	0.19	0.18	0.19	0.19	0.18	0.18	0.19	0.19	**2.26**
Natural Gas	1.78	1.67	1.79	1.63	1.66	1.55	1.58	1.54	1.55	1.62	1.62	1.76	**19.75**
Hydroelectric	0.27	0.23	0.26	0.27	0.30	0.29	0.26	0.22	0.19	0.19	0.20	0.23	**2.91**
Nuclear Electric	0.21	0.21	0.22	0.20	0.20	0.20	0.23	0.26	0.25	0.26	0.23	0.24	**2.71**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Total Production	**5.60**	**5.25**	**5.63**	**5.40**	**5.52**	**5.34**	**5.18**	**5.28**	**5.24**	**5.43**	**5.27**	**5.61**	**64.75**
1981													
Coal	1.47	1.58	1.74	0.81	0.85	1.37	1.65	1.75	1.82	1.90	1.70	1.70	**18.34**
Crude Oil	1.53	1.40	1.55	1.47	1.53	1.50	1.53	1.54	1.50	1.54	1.49	1.54	**18.12**
Natural Gas Liquids	0.20	0.18	0.20	0.19	0.19	0.19	0.19	0.20	0.19	0.19	0.19	0.19	**2.30**
Natural Gas	1.73	1.55	1.71	1.65	1.68	1.61	1.64	1.68	1.56	1.62	1.58	1.70	**19.71**
Hydroelectric	0.24	0.22	0.22	0.22	0.25	0.28	0.27	0.23	0.19	0.19	0.20	0.25	**2.76**
Nuclear Electric	0.26	0.24	0.24	0.23	0.22	0.23	0.25	0.30	0.27	0.23	0.25	0.29	**3.01**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Total Production	**5.44**	**5.18**	**5.67**	**4.59**	**4.73**	**5.19**	**5.54**	**5.71**	**5.53**	**5.68**	**5.41**	**5.68**	**64.35**
1982													
Coal	1.49	1.58	1.87	1.64	1.58	1.59	1.35	1.62	1.51	1.58	1.42	1.40	**18.63**
Crude Oil	1.53	1.41	1.56	1.50	1.56	1.50	1.56	1.55	1.51	1.56	1.51	1.55	**18.30**
Natural Gas Liquids	0.19	0.17	0.19	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.19	0.19	**2.18**
Natural Gas	1.70	1.56	1.65	1.56	1.53	1.48	1.50	1.47	1.41	1.44	1.45	1.49	**18.24**
Hydroelectric	0.28	0.28	0.31	0.29	0.29	0.29	0.29	0.25	0.21	0.21	0.24	0.29	**3.23**
Nuclear Electric	0.28	0.22	0.25	0.24	0.24	0.27	0.28	0.28	0.28	0.26	0.26	0.27	**3.13**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Total Production	**5.49**	**5.24**	**5.84**	**5.41**	**5.40**	**5.33**	**5.17**	**5.37**	**5.11**	**5.24**	**5.09**	**5.20**	**63.89**
1983													
Coal	1.38	1.34	1.52	1.36	1.39	1.36	1.22	1.62	1.55	1.58	1.51	1.40	**17.23**
Crude Oil	1.56	1.42	1.56	1.53	1.55	1.51	1.55	1.56	1.53	1.58	1.53	1.51	**18.39**
Natural Gas Liquids	0.19	0.17	0.18	0.17	0.18	0.17	0.18	0.19	0.18	0.19	0.19	0.18	**2.17**
Natural Gas	1.51	1.33	1.38	1.30	1.30	1.25	1.32	1.38	1.34	1.41	1.43	1.58	**16.53**
Hydroelectric	0.31	0.29	0.32	0.32	0.33	0.32	0.30	0.27	0.23	0.22	0.26	0.33	**3.50**
Nuclear Electric	0.27	0.24	0.26	0.24	0.24	0.26	0.28	0.29	0.27	0.28	0.27	0.29	**3.19**
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.12**
Total Production	**5.24**	**4.80**	**5.23**	**4.93**	**5.01**	**4.89**	**4.87**	**5.31**	**5.12**	**5.28**	**5.21**	**5.31**	**61.20**
1984													
Coal	1.50	1.62	1.80	1.60	1.79	1.68	1.65	2.00	1.74	1.54	1.42	1.41	**19.75**
Crude Oil	1.59	1.49	1.56	1.54	1.61	1.54	1.60	1.58	1.57	1.60	1.56	1.60	**18.84**
Natural Gas Liquids	0.19	0.18	0.19	0.19	0.19	0.18	0.19	0.19	0.19	0.20	0.19	0.20	**2.28**
Natural Gas	1.70	1.47	1.52	1.48	1.48	1.43	1.48	1.46	1.39	1.47	1.46	1.59	**17.93**
Hydroelectric	0.31	0.29	0.31	0.31	0.33	0.30	0.28	0.26	0.22	0.22	0.23	0.27	**3.33**
Nuclear Electric	0.32	0.31	0.30	0.26	0.28	0.27	0.31	0.32	0.32	0.27	0.27	0.34	**3.57**
Other Energy	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	**0.18**
Total Production	**5.61**	**5.38**	**5.68**	**5.40**	**5.69**	**5.42**	**5.53**	**5.84**	**5.43**	**5.30**	**5.15**	**5.41**	**65.84**

Total U.S. Energy Production by Source
Quadrillion BTU's

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1985													
Coal	1.49	1.47	1.70	1.67	1.71	1.60	1.51	1.74	1.62	1.75	1.52	1.53	**19.31**
Crude Oil	1.57	1.47	1.64	1.57	1.64	1.57	1.61	1.58	1.56	1.61	1.55	1.62	**18.99**
Natural Gas Liquids	0.19	0.17	0.19	0.18	0.19	0.18	0.19	0.19	0.18	0.19	0.19	0.20	**2.24**
Natural Gas	1.61	1.46	1.46	1.37	1.36	1.31	1.34	1.34	1.31	1.37	1.37	1.59	**16.89**
Hydroelectric	0.29	0.27	0.26	0.26	0.28	0.25	0.22	0.21	0.20	0.21	0.24	0.27	**2.96**
Nuclear Electric	0.39	0.33	0.34	0.29	0.31	0.33	0.38	0.38	0.37	0.34	0.33	0.37	**4.16**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.22**
Total Production	**5.56**	**5.19**	**5.59**	**5.36**	**5.51**	**5.27**	**5.27**	**5.46**	**5.26**	**5.49**	**5.22**	**5.59**	**64.77**
1986													
Coal	1.71	1.59	1.70	1.64	1.60	1.59	1.48	1.67	1.64	1.75	1.54	1.61	**19.52**
Crude Oil	1.64	1.49	1.62	1.54	1.59	1.50	1.56	1.51	1.45	1.51	1.46	1.50	**18.37**
Natural Gas Liquids	0.20	0.18	0.19	0.17	0.18	0.17	0.18	0.17	0.17	0.17	0.18	0.19	**2.15**
Natural Gas	1.58	1.37	1.46	1.31	1.33	1.28	1.32	1.32	1.25	1.33	1.41	1.52	**16.48**
Hydroelectric	0.22	0.24	0.30	0.29	0.28	0.27	0.25	0.22	0.22	0.22	0.24	0.27	**3.02**
Nuclear Electric	0.39	0.35	0.33	0.33	0.35	0.34	0.39	0.41	0.40	0.39	0.38	0.43	**4.49**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.24**
Total Production	**5.77**	**5.25**	**5.61**	**5.29**	**5.35**	**5.17**	**5.19**	**5.31**	**5.14**	**5.40**	**5.22**	**5.53**	**64.23**
1987													
Coal	1.64	1.57	1.66	1.56	1.55	1.69	1.53	1.77	1.81	1.89	1.74	1.74	**20.15**
Crude Oil	1.53	1.36	1.52	1.48	1.50	1.44	1.48	1.48	1.43	1.50	1.46	1.50	**17.68**
Natural Gas Liquids	0.19	0.17	0.19	0.18	0.19	0.18	0.19	0.19	0.18	0.19	0.19	0.19	**2.23**
Natural Gas	1.58	1.42	1.50	1.40	1.38	1.32	1.34	1.36	1.30	1.42	1.46	1.58	**17.06**
Hydroelectric	0.27	0.22	0.24	0.23	0.25	0.22	0.21	0.19	0.19	0.19	0.18	0.22	**2.61**
Nuclear Electric	0.43	0.39	0.40	0.36	0.37	0.39	0.43	0.45	0.43	0.39	0.40	0.45	**4.89**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.24**
Total Production	**5.64**	**5.16**	**5.54**	**5.22**	**5.26**	**5.26**	**5.20**	**5.45**	**5.35**	**5.59**	**5.44**	**5.70**	**64.81**
1988													
Coal	1.65	1.68	1.84	1.65	1.62	1.68	1.52	1.93	1.82	1.77	1.82	1.76	**20.74**
Crude Oil	1.48	1.41	1.51	1.44	1.48	1.42	1.45	1.45	1.37	1.44	1.40	1.43	**17.28**
Natural Gas Liquids	0.19	0.18	0.19	0.18	0.19	0.18	0.19	0.19	0.19	0.20	0.19	0.19	**2.26**
Natural Gas	1.62	1.48	1.54	1.41	1.45	1.37	1.39	1.41	1.33	1.45	1.48	1.56	**17.49**
Hydroelectric	0.23	0.20	0.20	0.20	0.22	0.20	0.18	0.17	0.17	0.16	0.19	0.21	**2.33**
Nuclear Electric	0.48	0.45	0.47	0.43	0.44	0.47	0.54	0.53	0.50	0.46	0.43	0.47	**5.67**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.24**
Total Production	**5.67**	**5.42**	**5.77**	**5.34**	**5.41**	**5.34**	**5.23**	**5.71**	**5.40**	**5.50**	**5.51**	**5.63**	**65.93**
1989													
Coal	1.79	1.64	1.95	1.67	1.80	1.71	1.45	1.99	1.85	1.96	1.90	1.62	**21.33**
Crude Oil	1.43	1.27	1.36	1.35	1.41	1.33	1.34	1.36	1.31	1.34	1.31	1.32	**16.13**
Natural Gas Liquids	0.20	0.17	0.20	0.19	0.19	0.17	0.18	0.18	0.17	0.18	0.17	0.16	**2.16**
Natural Gas	1.56	1.44	1.53	1.46	1.48	1.41	1.44	1.42	1.36	1.43	1.49	1.60	**17.62**
Hydroelectric	0.22	0.19	0.24	0.25	0.29	0.27	0.24	0.21	0.20	0.21	0.22	0.23	**2.77**
Nuclear Electric	0.50	0.42	0.43	0.36	0.41	0.46	0.56	0.59	0.48	0.47	0.47	0.55	**5.70**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.24**
Total Production	**5.71**	**5.15**	**5.71**	**5.31**	**5.60**	**5.37**	**5.22**	**5.76**	**5.39**	**5.60**	**5.57**	**5.49**	**65.88**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

U.S. Energy Consumption By Type



Source: EIA

Total U.S. Energy Consumption by Source
Quadrillion BTU's

	Coal	Petroleum	Natural Gas	Hydro-electric	Nuclear Electric	Geo-thermal	Other	Total Consumption
1949	11.98	11.88	5.15	1.45	0.00	0.00	0.00	**30.46**
1950	12.35	13.32	5.97	1.44	0.00	0.00	0.01	**33.08**
1951	12.55	14.43	7.05	1.45	0.00	0.00	-0.02	**35.47**
1952	11.31	14.96	7.55	1.50	0.00	0.00	-0.01	**35.30**
1953	11.37	15.56	7.91	1.44	0.00	0.00	0.00	**26.27**
1954	9.71	15.84	8.33	1.39	0.00	0.00	0.00	**35.27**
1955	11.17	17.25	9.00	1.41	0.00	0.00	-0.01	**38.82**
1956	11.35	17.94	9.61	1.49	0.00	0.00	-0.01	**40.38**
1957	10.82	17.93	10.19	1.56	0.00	0.00	-0.02	**40.48**
1958	9.53	18.53	10.66	1.63	0.00	0.00	0.00	**40.35**
1959	9.52	19.32	11.72	1.59	0.00	0.00	-0.01	**42.14**
1960	9.84	19.92	12.39	1.66	0.01	0.00	0.00	**43.80**
1961	9.62	20.22	12.93	1.68	0.02	0.00	-0.01	**44.46**
1962	9.91	21.05	13.73	1.82	0.03	0.00	0.00	**46.53**
1963	10.41	21.70	14.40	1.77	0.04	0.00	-0.01	**48.32**
1964	10.96	22.30	15.29	1.91	0.04	0.00	-0.01	**50.50**
1965	11.58	23.25	15.77	2.06	0.04	0.00	-0.02	**52.68**
1966	12.14	24.40	17.00	2.07	0.06	0.00	-0.02	**55.66**
1967	11.91	25.28	17.94	2.34	0.09	0.01	-0.01	**57.57**
1968	12.33	26.98	19.21	2.34	0.14	0.01	-0.01	**61.00**
1969	12.38	28.34	20.68	2.66	0.15	0.01	-0.03	**64.19**
1970	12.26	29.52	21.79	2.65	0.24	0.01	-0.05	**66.43**
1971	11.60	30.56	22.47	2.86	0.41	0.01	-0.03	**67.89**
1972	12.08	32.95	22.70	2.94	0.58	0.03	-0.02	**71.26**
1973	12.97	34.84	22.51	3.01	0.91	0.04	0.00	**74.28**
1974	12.66	33.45	21.73	3.31	1.27	0.05	0.06	**72.54**
1975	12.66	32.73	19.95	3.22	1.90	0.07	0.02	**70.55**
1976	13.58	35.17	20.35	3.07	2.11	0.08	0.00	**74.36**
1977	13.92	37.12	19.93	2.51	2.70	0.08	0.02	**76.29**
1978	13.76	37.97	20.00	3.14	3.02	0.06	0.13	**78.09**
1979	15.04	37.12	20.67	3.14	2.71	0.08	0.07	**78.90**
1980	15.42	34.20	20.39	3.12	2.74	0.11	-0.03	**75.96**
1981	15.91	31.93	19.93	3.11	3.01	0.12	-0.01	**73.99**
1982	15.32	30.23	18.51	3.57	3.13	0.10	-0.02	**70.85**
1983	15.90	30.05	17.36	3.90	3.20	0.13	-0.01	**70.52**
1984	17.07	31.05	18.51	3.76	3.55	0.16	0.00	**74.10**
1985	17.48	30.92	17.83	3.36	4.15	0.20	0.00	**73.95**
1986	17.26	32.20	16.71	3.39	4.47	0.22	0.00	**74.24**
1987	18.01	32.87	17.67	3.07	4.91	0.23	0.02	**76.77**
1988	18.81	33.96	18.60	2.62	5.68	0.22	0.06	**79.94**
1989	18.92	34.21	19.36	2.86	5.69	0.20	0.05	**81.28**

Data from Oil & Gas Journal Energy Database
Source: Energy Information Administration

Total U.S. Energy Consumption by Type
Quadrillion BTU's

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1980													
Coal	1.41	1.32	1.31	1.17	1.17	1.25	1.40	1.39	1.27	1.24	1.26	1.41	15.60
Petroleum	3.18	3.00	2.96	2.76	2.75	2.67	2.72	2.68	2.73	2.88	2.75	3.13	34.21
Natural Gas	2.33	2.24	2.14	1.60	1.38	1.28	1.33	1.27	1.33	1.57	1.82	2.20	20.49
Hydroelectric	0.28	0.24	0.27	0.29	0.32	0.31	0.28	0.23	0.21	0.21	0.22	0.25	3.11
Nuclear Electric	0.21	0.21	0.22	0.20	0.20	0.20	0.23	0.26	0.25	0.26	0.23	0.24	2.71
Other Energy	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.07
Net Coal Coke Imports	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.02
Total Consumption	**7.42**	**7.02**	**6.91**	**6.02**	**5.83**	**5.71**	**5.96**	**5.85**	**5.80**	**6.17**	**6.29**	**7.23**	**76.21**
1981													
Coal	1.47	1.30	1.31	1.19	1.20	1.30	1.47	1.44	1.30	1.29	1.28	1.42	15.97
Petroleum	3.11	2.59	2.69	2.51	2.59	2.63	2.65	2.58	2.56	2.67	2.55	2.80	31.93
Natural Gas	2.34	1.94	1.95	1.53	1.46	1.34	1.35	1.35	1.30	1.56	1.66	2.13	19.91
Hydroelectric	0.26	0.25	0.24	0.24	0.28	0.30	0.29	0.25	0.21	0.22	0.23	0.28	3.05
Nuclear Electric	0.26	0.24	0.24	0.22	0.21	0.23	0.25	0.29	0.27	0.22	0.25	0.28	2.96
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.12
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Consumption	**7.46**	**6.33**	**6.44**	**5.71**	**5.76**	**5.82**	**6.02**	**5.92**	**5.65**	**5.97**	**5.97**	**6.92**	**73.97**
1982													
Coal	1.49	1.29	1.26	1.15	1.19	1.21	1.38	1.38	1.23	1.19	1.23	1.30	15.30
Petroleum	2.72	2.44	2.63	2.62	2.51	2.45	2.50	2.51	2.45	2.51	2.45	2.62	30.41
Natural Gas	2.43	2.01	1.86	1.51	1.17	1.14	1.18	1.18	1.17	1.33	1.58	1.76	18.32
Hydroelectric	0.31	0.30	0.33	0.31	0.32	0.31	0.31	0.28	0.24	0.24	0.28	0.32	3.55
Nuclear Electric	0.28	0.22	0.25	0.24	0.24	0.27	0.28	0.28	0.28	0.26	0.26	0.27	3.13
Other Energy	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Consumption	**7.26**	**6.29**	**6.36**	**5.85**	**5.41**	**5.37**	**5.64**	**5.62**	**5.37**	**5.54**	**5.82**	**6.29**	**70.82**
1983													
Coal	1.36	1.18	1.20	1.14	1.17	1.26	1.50	1.57	1.37	1.30	1.32	1.52	15.89
Petroleum	2.47	2.24	2.60	2.38	2.43	2.48	2.52	2.59	2.51	2.51	2.51	2.80	30.04
Natural Gas	2.04	1.69	1.64	1.42	1.15	1.00	1.07	1.15	1.10	1.28	1.55	2.26	17.35
Hydroelectric	0.34	0.32	0.35	0.34	0.35	0.35	0.33	0.31	0.27	0.26	0.29	0.37	3.88
Nuclear Electric	0.27	0.24	0.26	0.24	0.24	0.26	0.28	0.29	0.27	0.28	0.27	0.29	3.19
Other Energy	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.12
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Consumption	**6.48**	**5.68**	**6.06**	**5.53**	**5.35**	**5.36**	**5.70**	**5.92**	**5.54**	**5.65**	**5.97**	**7.25**	**70.49**
1984													
Coal	1.55	1.36	1.40	1.27	1.30	1.44	1.52	1.59	1.38	1.40	1.39	1.47	17.07
Petroleum	2.81	2.42	2.68	2.52	2.61	2.54	2.59	2.70	2.47	2.61	2.53	2.57	31.05
Natural Gas	2.41	2.02	1.90	1.65	1.39	1.21	1.19	1.19	1.12	1.22	1.44	1.79	18.53
Hydroelectric	0.34	0.32	0.34	0.34	0.36	0.33	0.32	0.30	0.25	0.26	0.26	0.30	3.72
Nuclear Electric	0.32	0.31	0.30	0.26	0.28	0.27	0.31	0.32	0.32	0.27	0.27	0.34	3.57
Other Energy	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.14
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Consumption	**7.44**	**6.43**	**6.64**	**6.06**	**5.95**	**5.81**	**5.94**	**6.11**	**5.55**	**5.76**	**5.90**	**6.48**	**74.07**

Total U.S. Energy Consumption by Type
Quadrillion BTU's

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1985													
Coal	1.60	1.41	1.39	1.32	1.38	1.43	1.59	1.56	1.43	1.39	1.39	1.61	**17.50**
Petroleum	2.69	2.43	2.57	2.50	2.59	2.50	2.58	2.68	2.44	2.66	2.50	2.77	**30.91**
Natural Gas	2.15	2.20	1.77	1.48	1.18	1.10	1.15	1.15	1.08	1.20	1.38	2.00	**17.84**
Hydroelectric	0.32	0.30	0.30	0.29	0.31	0.29	0.27	0.26	0.23	0.25	0.27	0.30	**3.39**
Nuclear Electric	0.39	0.33	0.34	0.29	0.31	0.33	0.38	0.38	0.37	0.34	0.33	0.37	**4.16**
Other Energy	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	**0.20**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Total Consumption	**7.16**	**6.69**	**6.37**	**5.89**	**5.78**	**5.67**	**5.97**	**6.05**	**5.57**	**5.85**	**5.89**	**7.06**	**73.95**
1986													
Coal	1.63	1.42	1.39	1.27	1.32	1.46	1.65	1.52	1.40	1.36	1.37	1.50	**17.29**
Petroleum	2.70	2.46	2.73	2.59	2.69	2.61	2.74	2.79	2.59	2.79	2.64	2.88	**32.21**
Natural Gas	2.17	1.90	1.75	1.37	1.20	1.07	1.07	1.04	0.99	1.07	1.31	1.76	**16.70**
Hydroelectric	0.26	0.27	0.32	0.31	0.31	0.30	0.28	0.26	0.25	0.25	0.27	0.30	**3.38**
Nuclear Electric	0.39	0.35	0.33	0.33	0.35	0.34	0.39	0.41	0.40	0.39	0.38	0.43	**4.49**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	**0.23**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	**-0.01**
Total Consumption	**7.17**	**6.42**	**6.54**	**5.89**	**5.87**	**5.80**	**6.15**	**6.02**	**5.64**	**5.88**	**5.98**	**6.89**	**74.25**
1987													
Coal	1.56	1.36	1.37	1.32	1.42	1.55	1.73	1.72	1.48	1.45	1.43	1.60	**17.99**
Petroleum	2.79	2.56	2.71	2.68	2.68	2.73	2.87	2.74	2.70	2.84	2.65	2.92	**32.87**
Natural Gas	2.12	1.92	1.77	1.47	1.22	1.13	1.13	1.17	1.09	1.28	1.48	1.90	**17.68**
Hydroelectric	0.30	0.26	0.29	0.28	0.29	0.26	0.26	0.24	0.22	0.22	0.21	0.25	**3.08**
Nuclear Electric	0.43	0.39	0.40	0.36	0.37	0.39	0.43	0.45	0.43	0.39	0.40	0.45	**4.89**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.24**
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Total Consumption	**7.23**	**6.51**	**6.55**	**6.12**	**6.00**	**6.09**	**6.44**	**6.33**	**5.95**	**6.20**	**6.19**	**7.15**	**76.76**
1988													
Coal	1.69	1.54	1.49	1.37	1.42	1.60	1.75	1.82	1.52	1.50	1.49	1.67	**18.86**
Petroleum	2.92	2.79	2.95	2.69	2.72	2.77	2.80	2.93	2.77	2.95	2.86	3.08	**34.23**
Natural Gas	2.31	2.14	1.93	1.51	1.32	1.17	1.18	1.23	1.12	1.27	1.49	1.88	**18.55**
Hydroelectric	0.26	0.23	0.24	0.22	0.24	0.22	0.21	0.21	0.19	0.18	0.21	0.22	**2.63**
Nuclear Electric	0.48	0.45	0.47	0.43	0.44	0.47	0.54	0.53	0.50	0.46	0.43	0.47	**5.67**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.24**
Net Coke Imports	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	**0.03**
Total Consumption	**7.68**	**7.17**	**7.11**	**6.24**	**6.15**	**6.26**	**6.50**	**6.74**	**6.12**	**6.37**	**6.50**	**7.35**	**80.19**
1989													
Coal	1.65	1.56	1.55	1.41	1.45	1.56	1.69	1.70	1.54	1.51	1.52	1.77	**18.91**
Petroleum	2.90	2.71	3.02	2.70	2.76	2.84	2.76	2.91	2.73	2.90	2.81	3.16	**34.20**
Natural Gas	2.08	2.07	2.02	1.64	1.40	1.25	1.26	1.25	1.22	1.33	1.62	2.23	**19.37**
Hydroelectric	0.23	0.21	0.24	0.26	0.30	0.28	0.26	0.23	0.21	0.21	0.21	0.22	**2.86**
Nuclear Electric	0.50	0.42	0.43	0.36	0.41	0.46	0.56	0.59	0.48	0.47	0.47	0.55	**5.70**
Other Energy	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	**0.24**
Net Coal Coke Imports	0.01	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	**0.04**
Total Consumption	**7.38**	**6.99**	**7.27**	**6.39**	**6.37**	**6.42**	**6.56**	**6.71**	**6.19**	**6.44**	**6.64**	**7.95**	**81.31**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total U.S. Energy Consumption by Sector
Quadrillion BTU's

	Residential and Commercial	Industrial	Transportation	Total All Sectors*	Electric Utilities
1949	8.21	14.26	7.99	**30.46**	4.36
1950	8.87	15.71	8.49	**33.08**	4.70
1951	9.30	17.13	9.04	**35.47**	5.09
1952	9.54	16.76	9.00	**35.30**	5.36
1953	9.50	17.65	9.12	**36.27**	5.75
1954	9.78	16.58	8.90	**35.27**	5.80
1955	10.41	18.86	9.55	**38.82**	6.50
1956	10.96	19.55	9.86	**40.38**	6.98
1957	10.98	19.60	9.90	**40.48**	7.26
1958	11.64	18.70	10.00	**40.35**	7.22
1959	12.15	19.64	10.35	**42.14**	7.82
1960	13.04	20.16	10.60	**43.80**	8.19
1961	13.44	20.25	10.77	**44.46**	8.47
1962	14.27	21.05	11.22	**46.53**	9.03
1963	14.71	21.96	11.65	**48.32**	9.63
1964	15.23	23.27	11.99	**50.50**	10.33
1965	16.03	24.23	12.42	**52.68**	11.01
1966	17.06	25.51	13.09	**55.55**	11.99
1967	18.10	25.74	13.73	**57.57**	12.70
1968	19.23	26.92	14.84	**61.00**	13.88
1969	20.59	28.12	15.48	**64.19**	15.18
1970	21.71	28.65	16.07	**66.43**	16.27
1971	22.59	28.59	16.70	**67.89**	17.15
1972	23.69	29.88	17.70	**71.26**	18.52
1973	24.14	31.53	18.60	**74.28**	19.85
1974	23.72	30.70	18.12	**72.54**	20.02
1975	23.90	28.40	18.24	**70.55**	20.35
1976	25.02	20.23	19.10	**74.36**	21.57
1977	25.39	31.08	19.82	**76.29**	22.71
1978	26.09	31.39	20.61	**78.09**	23.72
1979	25.81	32.62	20.47	**78.90**	24.13
1980	25.65	30.61	19.70	**75.96**	24.51
1981	25.24	29.24	19.51	**73.99**	24.76
1982	25.63	26.14	19.07	**70.85**	24.27
1983	25.63	25.75	19.14	**70.52**	24.96
1984	26.50	27.73	19.87	**74.10**	25.98
1985	26.73	27.12	20.10	**73.95**	26.48
1986	26.83	26.65	20.76	**74.24**	26.64
1987	27.62	27.87	21.36	**76.85**	27.55
1988	29.00	29.01	22.19	**80.20**	28.63
1989	29.50	29.61	22.17	**81.28**	29.22

* Consumption by electric utilities is apportioned to each end use sector.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Total U.S. Energy Consumption by Sector
Quadrillion BTU's

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1976													
Residential & Commercial	3.12	2.69	2.43	2.08	1.91	1.86	1.97	1.97	1.83	1.94	2.37	3.00	**27.17**
Industrial	2.43	2.11	2.20	2.07	2.20	2.24	2.29	2.27	2.22	2.58	2.59	2.72	**27.92**
Transportation	1.65	1.48	1.64	1.59	1.56	1.61	1.64	1.60	1.57	1.61	1.65	1.81	**19.41**
Total All Sectors *	7.20	6.28	6.27	5.74	5.67	5.70	5.90	5.84	5.62	6.13	6.61	7.53	**74.49**
1977													
Residential & Commercial	3.35	2.90	2.45	2.05	1.88	1.93	2.08	2.07	1.92	1.96	2.16	2.80	**27.55**
Industrial	2.64	2.05	2.34	2.18	2.38	2.38	2.32	2.40	2.42	2.54	2.57	2.71	**28.93**
Transportation	1.75	1.60	1.67	1.64	1.62	1.66	1.68	1.70	1.62	1.66	1.65	1.82	**20.07**
Total All Sectors	7.73	6.55	6.45	5.87	5.88	5.97	6.07	6.17	5.96	6.16	6.39	7.33	**76.53**
1978													
Residential & Commercial	3.21	3.06	2.79	2.18	2.05	1.99	2.12	2.12	1.98	2.00	2.23	2.81	**28.54**
Industrial	2.69	2.24	2.23	2.19	2.36	2.29	2.37	2.41	2.33	2.57	2.60	2.71	**28.99**
Transportation	1.72	1.63	1.79	1.63	1.75	1.71	1.69	1.78	1.63	1.72	1.73	1.82	**20.60**
Total All Sectors	7.61	6.93	6.82	6.01	6.16	5.99	6.18	6.31	5.94	6.29	6.56	7.34	**78.14**
1979													
Residential & Commercial	3.42	3.24	2.81	2.30	2.07	1.99	2.10	2.20	2.00	2.10	2.32	2.77	**29.32**
Industrial	2.73	2.34	2.42	2.26	2.47	2.40	2.42	2.46	2.35	2.63	2.63	2.72	**29.83**
Transportation	1.78	1.68	1.75	1.58	1.66	1.60	1.59	1.68	1.55	1.65	1.59	1.67	**19.78**
Total All Sectors	7.93	7.26	6.99	6.14	6.20	5.99	6.11	6.34	5.90	6.39	6.54	7.16	**78.95**
1980													
Residential & Commercial	2.86	2.82	2.64	2.10	1.86	1.88	2.10	2.08	1.94	1.92	2.10	2.71	**27.01**
Industrial	2.89	2.59	2.64	2.35	2.41	2.31	2.27	2.22	2.34	2.63	2.68	2.82	**30.15**
Transportation	1.68	1.61	1.63	1.58	1.57	1.52	1.58	1.54	1.51	1.61	1.50	1.70	**19.03**
Total All Sectors	7.42	7.02	6.91	6.02	5.83	5.71	5.96	5.85	5.80	6.17	6.29	7.23	**76.21**
1981													
Residential & Commercial	3.15	2.64	2.32	1.83	1.70	1.76	1.90	1.84	1.66	1.81	1.99	2.61	**25.21**
Industrial	2.65	2.22	2.51	2.28	2.42	2.39	2.42	2.42	2.39	2.52	2.42	2.63	**29.27**
Transportation	1.66	1.47	1.61	1.60	1.63	1.66	1.70	1.65	1.60	1.64	1.57	1.68	**19.47**
Total All Sectors	7.46	6.33	6.44	5.71	5.76	5.82	6.02	5.92	5.65	5.97	5.97	6.92	**73.97**
1982													
Residential & Commercial	3.19	2.75	2.47	2.11	1.72	1.67	1.88	1.87	1.76	1.74	1.97	2.50	**25.63**
Industrial	2.54	2.10	2.27	2.12	2.08	2.09	2.12	2.14	2.03	2.23	2.26	2.15	**26.13**
Transportation	1.51	1.44	1.62	1.72	1.65	1.61	1.63	1.61	1.57	1.58	1.57	1.60	**19.11**
Total All Sectors	7.26	6.29	6.36	5.85	5.41	5.37	5.64	5.62	5.37	5.54	5.82	6.29	**70.82**

Total U.S. Energy Consumption by Sector
Quadrillion BTU's

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1983													
Residential & Commercial	2.84	2.56	2.36	2.11	1.75	1.73	1.97	2.06	1.81	1.71	1.96	2.75	**25.61**
Industrial	2.13	1.75	2.04	1.88	2.01	1.99	2.08	2.18	2.13	2.32	2.45	2.78	**25.74**
Transportation	1.50	1.38	1.66	1.54	1.60	1.64	1.65	1.67	1.60	1.62	1.56	1.71	**19.13**
Total All Sectors	6.48	5.68	6.06	5.53	5.35	5.36	5.70	5.92	5.54	5.65	5.97	7.25	**70.49**
1984													
Residential & Commercial	3.30	2.65	2.56	2.11	1.88	1.83	1.95	2.00	1.78	1.78	2.02	2.55	**26.41**
Industrial	2.55	2.30	2.45	2.33	2.37	2.28	2.26	2.31	2.15	2.28	2.24	2.26	**27.78**
Transportation	1.60	1.48	1.64	1.62	1.71	1.70	1.73	1.79	1.62	1.70	1.64	1.66	**19.89**
Total All Sectors	7.44	6.43	6.64	6.06	5.95	5.81	5.94	6.11	5.55	5.76	5.90	6.48	**74.07**
1985													
Residential & Commercial	3.07	2.98	2.45	2.01	1.79	1.82	2.01	2.01	1.85	1.85	2.03	2.90	**26.77**
Industrial	2.48	2.22	2.26	2.20	2.26	2.17	2.21	2.24	2.10	2.27	2.22	2.45	**27.08**
Transportation	1.61	1.49	1.67	1.68	1.74	1.68	1.76	1.80	1.62	1.73	1.64	1.72	**20.14**
Total All Sectors	7.16	6.69	6.37	5.89	5.78	5.67	5.97	6.05	5.57	5.85	5.89	7.06	**73.95**
1986													
Residential & Commercial	3.14	2.72	2.50	2.00	1.87	1.92	2.18	2.06	1.88	1.90	2.12	2.74	**27.03**
Industrial	2.39	2.21	2.32	2.19	2.24	2.13	2.11	2.10	2.07	2.18	2.17	2.34	**26.45**
Transportation	1.64	1.49	1.73	1.71	1.77	1.75	1.85	1.86	1.69	1.80	1.69	1.80	**20.78**
Total All Sectors	7.17	6.42	6.54	5.89	5.87	5.80	6.15	6.02	5.64	5.88	5.98	6.89	**74.25**
1987													
Residential & Commercial	3.09	2.73	2.57	2.13	1.94	2.00	2.23	2.20	1.93	1.98	2.16	2.78	**27.74**
Industrial	2.45	2.20	2.22	2.23	2.22	2.26	2.32	2.27	2.26	2.37	2.30	2.54	**27.64**
Transportation	1.68	1.57	1.77	1.77	1.85	1.82	1.89	1.86	1.76	1.85	1.74	1.83	**21.39**
Total All Sectors	7.23	6.51	6.55	6.12	6.00	6.09	6.44	6.33	5.95	6.20	6.19	7.15	**76.76**
1988													
Residential & Commercial	3.38	3.00	2.69	2.15	1.97	2.03	2.29	2.38	1.98	2.02	2.25	2.87	**29.01**
Industrial	2.52	2.47	2.56	2.27	2.32	2.33	2.30	2.43	2.32	2.48	2.43	2.59	**29.02**
Transportation	1.77	1.71	1.86	1.82	1.87	1.90	1.91	1.93	1.83	1.88	1.82	1.89	**22.19**
Total All Sectors	7.68	7.17	7.11	6.24	6.15	6.26	6.50	6.74	6.12	6.37	6.50	7.35	**80.19**
1989													
Residential & Commercial	3.11	2.96	2.84	2.23	2.05	2.06	2.29	2.27	2.02	2.05	2.31	3.32	**29.51**
Industrial	2.53	2.41	2.57	2.39	2.43	2.43	2.37	2.46	2.36	2.51	2.50	2.67	**29.63**
Transportation	1.74	1.63	1.86	1.77	1.89	1.92	1.89	1.98	1.80	1.89	1.83	1.96	**22.16**
Total All Sectors	7.38	6.99	7.27	6.39	6.37	6.42	6.56	6.71	6.19	6.44	6.64	7.95	**81.31**

* Consumption by electric utilities is apportioned back to end use sectors.

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Estimated Annual Energy Consumption Growth Rates
Pre- and Post- Embargo

	Total Energy Use		Per Capita Energy Use	
	1960-1973	1973-1988	1960-1973	1973-1988
Alabama	4.6	0.6	3.9	-0.3
Alaska	9.4	6.8	6.2	3.6
Arizona	7.0	2.0	3.1	-1.3
Arkansas	5.6	0.0	4.4	-1.0
California	4.4	1.1	2.2	-1.0
Colorado	5.0	0.9	2.2	-1.0
Connecticut	3.0	0.2	1.5	-0.1
Delaware	3.9	-0.1	1.8	-1.0
Dist. of Columbia	2.1	-2.4	2.4	-1.2
Florida	7.4	2.8	3.6	-0.2
Georgia	6.8	2.2	5.0	0.5
Hawaii	6.6	1.1	4.2	-0.6
Idaho	4.7	0.6	3.4	-1.1
Illinois	3.7	-0.7	2.8	-0.9
Indiana	3.8	0.0	2.8	-0.2
Iowa	3.7	-0.1	3.4	0.0
Kansas	3.3	0.6	3.0	0.0
Kentucky	3.3	0.9	2.5	0.2
Louisiana	6.1	0.5	4.9	-0.5
Maine	4.4	0.6	3.7	-0.4
Maryland	4.5	0.3	2.2	-0.5
Massachusetts	3.3	-0.9	2.4	-1.0
Michigan	4.1	-0.7	2.9	-0.8
Minnesota	4.5	0.4	3.4	-0.3
Mississippi	6.7	0.9	6.0	0.2
Missouri	3.8	0.5	3.0	0.0
Montana	3.4	-0.1	2.8	-0.8
Nebraska	4.2	0.2	3.5	-0.1
Nevada	7.8	2.9	2.2	-1.2
New Hampshire	5.5	1.2	3.3	-0.8
New Jersey	4.1	0.4	2.6	0.1
New Mexico	3.0	0.7	1.8	-1.4
New York	3.2	-1.3	2.5	-1.2
North Carolina	5.4	1.8	4.0	0.6
North Dakota	2.0	3.2	2.0	2.8
Ohio	2.7	-0.7	1.9	-0.8
Oklahoma	4.5	1.6	3.3	0.3
Oregon	5.2	0.6	3.3	-0.8
Pennsylvania	2.2	-1.1	1.8	-1.2
Rhode Island	1.6	-0.3	0.6	-0.4
South Carolina	5.0	2.0	3.8	0.5
South Dakota	2.5	1.0	2.5	0.6
Tennessee	4.2	0.6	3.0	-0.5
Texas	4.7	1.2	2.9	-1.0
Utah	3.3	1.1	1.1	-1.4
Vermont	5.4	0.5	3.9	-0.7
Virginia	4.4	1.9	2.7	0.5
Washington	5.2	1.6	3.6	-0.4
West Virginia	3.2	-1.0	3.4	-1.3
Wisconsin	3.7	0.4	2.7	-0.1
Wyoming	5.4	2.0	4.9	0.0
Total U.S.	**4.2**	**0.5**	**2.8**	**-0.5**

Source: Energy Information Administration

Energy Consumption by Source and End-Use Sector
By State, 1988
Trillion BTU

	Total Energy+	Sources							End Use Sectors			
		Coal	Natural Gas	Petroleum	Nuclear	Hydro-electric	Other	Electricity Exchanges*	Resi-dential	Commer-cial	Indus-trial+	Transpor-tation
Alabama	1,614	653	243	579	139	55	0	-55	295	189	756	374
Alaska	520	4	289	218	0	10	0	0	40	52	276	152
Arizona	898	309	129	352	246	80	0	-218	196	199	175	328
Arkansas	790	219	219	309	96	29	0	-80	164	103	297	226
California	6,970	51	1,859	3,482	332	315	213	718	1,255	1,206	1,797	2,712
Colorado	902	311	229	339	7	18	(s)	-3	206	228	195	273
Connecticut	757	23	91	483	239	10	2	-92	236	169	136	216
Delaware	230	69	30	142	0	0	0	-11	47	32	88	63
Dist. of Columbia	174	1	33	42	0	0	0	97	36	75	32	30
Florida	2,929	611	306	1,559	281	2	0	169	750	636	432	1,110
Georgia	2,038	699	331	831	163	21	0	-7	434	303	608	692
Hawaii	266	1	3	261	0	1	(s)	0	24	36	62	143
Idaho	355	10	42	113	0	70	0	121	74	69	127	86
Illinois	3,577	720	983	1,240	743	1	0	-109	882	664	1,255	775
Indiana	2,478	1,292	464	801	0	5	0	-83	449	272	1,198	558
Iowa	942	306	241	337	34	7	1	16	223	139	348	232
Kansas	1,057	269	348	438	71	(s)	(s)	-70	185	165	413	294
Kentucky	1,401	822	191	522	0	25	0	-159	277	174	569	381
Louisiana	3,450	212	1,506	1,531	148	0	0	53	291	242	2,212	705
Maine	372	7	3	258	54	61	0	-10	85	53	113	122
Maryland	1,240	301	178	510	126	14	1	111	325	173	399	344
Massachusetts	1,346	117	217	848	12	32	0	120	399	315	215	418
Michigan	2,753	832	766	954	191	8	0	3	719	436	911	688
Minnesota	1,315	304	286	507	132	(10)	2	95	321	192	455	347
Mississippi	938	130	216	444	103	0	0	45	166	99	354	319
Missouri	1,511	547	254	639	96	15	0	-41	394	287	354	475
Montana	334	181	43	144	0	84	1	-119	58	50	142	84
Nebraska	536	139	120	221	73	14	0	-32	127	114	135	160
[illegible]da	355	184	48	169	0	21	0	-67	75	63	84	133
[illegible]w Hampshire	243	33	13	160	0	19	0	18	73	39	54	77
New Jersey	2,286	81	425	1,273	257	-2	0	252	524	452	524	786
New Mexico	524	266	185	218	0	1	0	-146	73	100	157	194
New York	3,586	333	813	1,835	260	372	0	-27	1,025	995	692	874
North Carolina	1,947	515	157	774	313	30	0	158	457	320	594	576
North Dakota	311	370	30	118	0	23	0	-230	54	36	152	69
Ohio	3,785	1,475	838	1,149	91	2	4	227	858	582	1,535	810
Oklahoma	1,280	269	611	426	0	21	0	-48	244	192	511	334
Oregon	880	3	89	350	68	372	1	-3	193	156	250	280
Pennsylvania	3,601	1,466	693	1,332	407	7	0	-304	848	509	1,384	860
Rhode Island	216	4	32	121	0	7	0	52	66	45	44	62
South Carolina	1,143	302	115	376	438	7	0	-94	231	157	486	269
South Dakota	203	34	25	106	0	54	0	-15	54	32	52	65
Tennessee	1,714	611	221	581	42	47	0	212	376	180	697	461
Texas	9,583	1,264	3,665	4,457	41	12	0	143	1,109	993	5,324	2,156
Utah	534	338	118	206	0	6	4	-138	96	85	201	152
Vermont	129	(s)	5	74	44	38	1	-34	35	24	26	44
Virginia	1,840	343	170	792	226	(2)	(s)	310	431	361	458	590
Washington	1,807	99	151	706	64	707	4	76	359	294	640	513
West Virginia	778	915	132	268	0	10	0	-547	131	86	413	148
Wisconsin	1,392	394	320	494	123	15	2	44	364	230	457	341
Wyoming	377	446	87	137	0	8	(s)	-300	36	41	216	84
Total U.S.	**80,246**	**18,886**	**18,562**	**34,223**	**5,661**	**2,639**	**235**		**16,371**	**12,642**	**29,045**	**22,187**

(s) Less than 0.5

+U.S. total energy and U.S. industrial sector include 39.6 trillion Btu of net imports of coal coke that has not been allocated to the States.

* Net interstate sales of electricity.

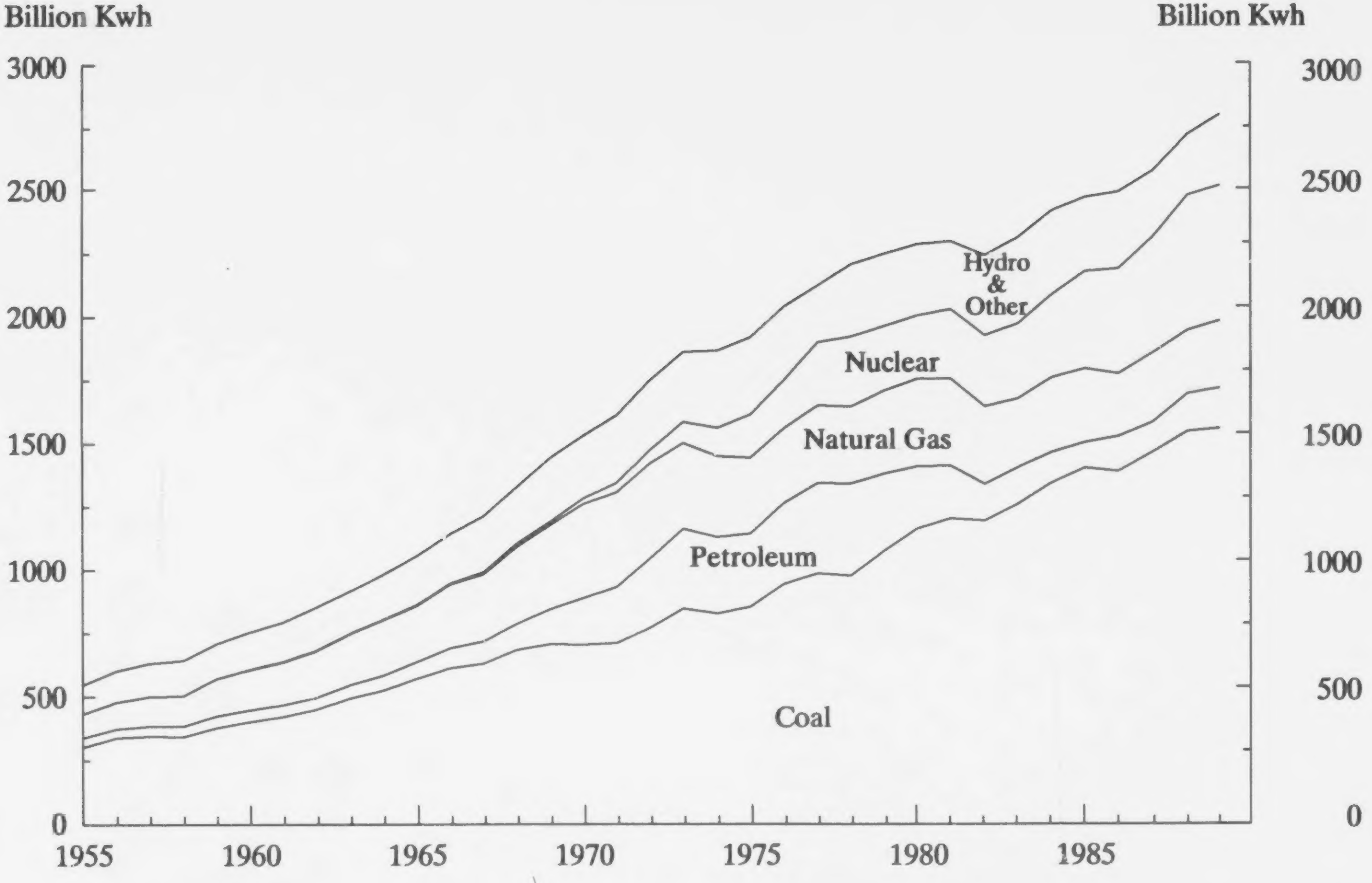
Source: Energy Information Administration

Total U.S. Installed Electric Nameplate Capacity
Millions of kilowatts

	Conventional Steam	Internal Combustion	Gas Turbine	Nuclear Power	Hydroelectric Power	Geothermal & Other	Total Capacity
1949	43.2	1.7	NA	NA	18.5	NA	**63.4**
1950	48.2	1.8	NA	NA	19.2	NA	**69.2**
1951	53.1	1.9	NA	NA	20.5	NA	**75.5**
1952	58.8	2.0	NA	NA	22.4	NA	**83.2**
1953	67.5	2.1	NA	NA	23.8	NA	**93.3**
1954	75.4	2.2	NA	NA	22.5	NA	**100.0**
1955	84.6	2.3	NA	NA	27.4	NA	**114.2**
1956	88.8	2.4	NA	NA	28.5	NA	**119.7**
1957	97.9	2.3	NA	0.1	30.7	NA	**131.1**
1958	108.2	2.4	NA	0.1	32.5	NA	**143.3**
1959	118.5	2.5	NA	0.1	34.8	NA	**155.9**
1960	128.3	2.6	NA	0.4	35.8	NA	**167.1**
1961	135.1	2.8	NA	0.4	40.7	NA	**179.0**
1962	144.6	2.8	NA	0.7	44.0	NA	**192.1**
1963	158.4	3.0	0.5	0.8	47.0	NA	**209.7**
1964	169.6	3.1	0.8	0.8	49.4	NA	**223.7**
1965	178.7	3.2	1.1	0.8	51.0	NA	**234.8**
1966	189.6	3.3	1.6	1.7	51.2	NA	**247.5**
1967	202.5	3.6	2.8	2.7	55.0	0.1	**266.7**
1968	214.3	3.8	5.3	2.7	57.9	0.1	**284.0**
1969	231.4	4.0	8.4	4.4	61.6	0.1	**309.8**
1970	248.0	4.1	13.3	7.0	63.8	0.1	**336.4**
1971	266.0	4.2	17.9	9.0	69.1	0.2	**366.4**
1972	282.3	4.5	23.9	14.5	70.5	0.3	**396.0**
1973	307.9	4.7	28.8	22.6	75.4	0.4	**439.8**
1974	322.4	4.7	33.7	31.8	75.5	0.4	**468.5**
1975	333.3	4.8	37.1	37.2	78.4	0.5	**491.3**
1976	350.9	5.0	39.1	43.7	78.0	0.5	**517.2**
1977	365.3	5.0	40.3	46.2	78.6	0.5	**535.9**
1978	374.5	5.2	41.2	50.7	79.9	0.5	**552.1**
1979	384.6	5.2	42.5	49.6	82.9	0.7	**565.5**
1980	396.6	5.2	42.5	51.7	81.7	0.9	**578.6**
1981	410.7	5.3	43.2	55.9	82.4	0.9	**598.3**
1982	421.4	4.8	43.5	59.9	83.0	1.1	**613.7**
1983	424.9	4.7	43.3	63.0	83.9	1.2	**621.1**
1984	430.8	4.5	43.5	69.7	85.3	1.3	**635.1**
1985	436.8	4.7	43.9	79.4	88.9	1.6	**655.2**
1986	440.6	4.6	43.4	85.2	89.3	1.6	**664.8**
1987	440.3	4.8	44.2	93.6	89.7	1.5	**674.1**
1988	442.4	4.7	43.9	94.7	90.3	1.7	**677.7**
1989	444.0	4.6	45.3	97.9	90.6	1.7	**684.0**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Electric Power Production by Source



Source: BOM, EIA

Total U.S. Electric Power Production
Billions of kilowatt hours

	From Coal	From Petroleum	From Natural Gas	By Nuclear	By Hydropower	By Geothermal & Other	Total Production
1952	195	30	68	0	105	0	**399**
1953	219	38	80	0	105	0	**443**
1954	239	32	94	0	107	0	**472**
1955	301	37	95	0	113	0	**547**
1956	339	36	104	0	122	0	**601**
1957	346	40	114	0	130	0	**632**
1958	344	40	120	0	140	0	**645**
1959	378	47	147	0	138	0	**710**
1960	403	48	158	1	146	0	**756**
1961	422	49	169	2	152	0	**794**
1962	450	49	184	2	169	0	**855**
1963	494	52	202	3	166	0	**917**
1964	526	57	220	3	177	0	**984**
1965	571	65	222	4	194	0	**1,055**
1966	613	79	251	6	195	1	**1,144**
1967	630	89	265	8	222	1	**1,214**
1968	685	104	304	13	222	1	**1,329**
1969	706	138	333	14	250	1	**1,442**
1970	704	184	373	22	248	1	**1,532**
1971	713	220	374	38	266	1	**1,613**
1972	771	274	376	54	273	2	**1,750**
1973	848	314	341	83	272	2	**1,861**
1974	828	301	320	114	301	3	**1,867**
1975	853	289	300	173	300	3	**1,918**
1976	944	320	295	191	284	4	**2,038**
1977	985	358	306	251	220	4	**2,124**
1978	976	365	305	276	280	3	**2,206**
1979	1,075	304	329	255	280	4	**2,247**
1980	1,162	246	346	251	276	6	**2,286**
1981	1,203	206	346	273	261	6	**2,295**
1982	1,192	147	305	283	309	5	**2,241**
1983	1,259	144	274	294	332	6	**2,310**
1984	1,342	120	297	328	321	9	**2,416**
1985	1,402	100	292	384	281	11	**2,470**
1986	1,386	137	249	414	291	12	**2,487**
1987	1,464	118	273	455	250	12	**2,572**
1988	1,541	149	253	527	223	12	**2,704**
1989	1,551	158	264	529	264	11	**2,779**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total U.S. Sales of Electricity
Billions of kilowatt hours

	Residential Sector	Commercial Sector	Industrial Sector	Other Sectors	Total Sales
1949	67	45	123	20	**255**
1950	72	51	146	22	**291**
1951	83	57	166	24	**330**
1952	94	62	176	24	**356**
1953	104	67	199	26	**396**
1954	116	72	208	27	**424**
1955	128	79	260	29	**497**
1956	143	87	286	30	**546**
1957	157	94	294	31	**576**
1958	169	100	287	32	**588**
1959	185	112	315	36	**647**
1960	201	131	324	32	**688**
1961	214	138	337	32	**722**
1962	233	153	360	32	**778**
1963	251	171	377	34	**833**
1964	272	187	405	32	**896**
1965	291	200	429	34	**954**
1966	317	218	464	37	**1,035**
1967	340	234	485	40	**1,099**
1968	382	258	521	42	**1,203**
1969	427	282	559	46	**1,314**
1970	466	307	571	48	**1,392**
1971	500	329	589	51	**1,470**
1972	539	359	641	56	**1,595**
1973	579	388	686	59	**1,713**
1974	578	385	685	58	**1,706**
1975	588	403	688	68	**1,747**
1976	606	425	754	70	**1,855**
1977	645	447	786	71	**1,948**
1978	674	461	809	73	**2,018**
1979	683	473	842	73	**2,071**
1980	717	488	815	74	**2,094**
1981	722	514	826	85	**2,147**
1982	730	526	745	86	**2,086**
1983	751	544	776	80	**2,151**
1984	778	578	841	82	**2,278**
1985	791	609	825	85	**2,310**
1986	818	641	808	83	**2,351**
1987	850	674	845	87	**2,455**
1988	892	698	896	82	**2,568**
1989	904	724	915	91	**2,634**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

U.S. Sales of Electricity
Total U.S., by Sector
Millions of kilowatt hours

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1978													
Residential	65,455	64,140	58,391	47,118	43,748	50,511	61,327	63,483	61,585	50,765	46,720	56,391	**669,634**
Commercial	38,125	37,465	36,282	33,625	33,995	39,080	42,839	43,499	42,666	37,944	35,476	37,244	**458,240**
Industrial	64,195	60,823	61,506	63,103	66,618	68,563	67,081	70,419	70,170	70,396	68,815	67,577	**799,266**
Other	6,581	6,274	6,032	5,355	5,586	5,826	6,359	6,139	6,432	6,057	6,332	6,268	**73,241**
Total Sales	**174,356**	**168,703**	**162,212**	**149,201**	**149,947**	**163,981**	**177,607**	**183,540**	**180,853**	**165,162**	**157,341**	**167,497**	**2,000,400**
1979													
Residential	69,939	67,842	59,314	50,079	45,730	49,556	58,606	64,808	59,251	49,430	49,480	58,437	**682,472**
Commercial	40,262	39,865	38,123	35,930	36,398	39,689	42,773	44,199	42,416	38,750	36,656	37,952	**473,113**
Industrial	68,324	67,632	69,783	69,944	71,798	71,919	70,984	71,956	70,075	71,444	69,787	67,283	**840,929**
Other	6,762	6,176	6,029	5,604	5,625	5,696	5,976	6,346	6,479	6,098	6,173	6,142	**73,106**
Total Sales	**185,387**	**181,515**	**173,249**	**161,557**	**159,551**	**166,860**	**178,339**	**187,310**	**178,220**	**165,721**	**162,096**	**169,815**	**2,069,620**
1980													
Residential	65,841	64,514	60,497	51,749	45,699	52,267	68,611	74,893	67,969	54,012	50,539	60,775	**717,366**
Commercial	39,578	39,528	38,762	36,453	36,110	40,129	45,525	47,679	46,028	40,478	37,954	39,846	**488,070**
Industrial	67,532	68,508	69,086	67,908	67,235	66,739	65,531	67,377	69,570	69,414	67,613	68,517	**815,030**
Other	6,634	6,171	6,028	5,591	5,807	5,737	6,215	6,255	6,572	6,174	6,068	6,469	**73,721**
Total Sales	**179,585**	**178,720**	**174,373**	**161,702**	**154,851**	**164,872**	**185,882**	**196,205**	**190,139**	**170,078**	**162,174**	**175,607**	**2,094,188**
1981													
Residential	74,087	66,359	57,660	50,914	48,348	56,165	69,990	70,299	61,098	52,989	51,965	62,391	**722,265**
Commercial	43,229	41,345	39,541	37,910	39,331	44,244	48,989	49,003	46,977	42,183	39,747	41,839	**514,338**
Industrial	67,076	67,411	68,590	68,138	68,714	71,641	71,712	72,010	71,011	69,154	66,161	64,124	**825,742**
Other	7,557	7,092	7,035	6,562	6,780	6,777	7,124	7,147	7,164	7,024	7,143	7,351	**84,756**
Total Sales	**191,949**	**182,207**	**172,826**	**163,525**	**163,173**	**178,827**	**197,814**	**198,459**	**186,250**	**171,350**	**165,016**	**175,705**	**2,147,101**
1982													
Residential	76,264	69,128	60,498	54,918	49,092	54,083	65,704	69,906	63,053	52,638	52,136	62,102	**729,522**
Commercial	44,947	43,459	41,710	40,036	40,021	44,206	48,211	49,720	48,068	42,864	40,572	42,584	**526,398**
Industrial	62,939	62,778	64,496	62,723	62,480	63,684	62,617	63,306	59,980	60,830	60,651	58,464	**744,948**
Other	7,929	7,441	7,255	6,836	6,976	6,766	7,035	6,808	7,194	7,084	7,122	7,128	**85,574**
Total Sales	**192,079**	**182,805**	**173,959**	**164,512**	**158,569**	**168,739**	**183,567**	**189,740**	**178,296**	**163,416**	**160,479**	**170,278**	**2,086,439**
1983													
Residential	69,967	65,039	58,912	56,284	49,669	54,138	69,965	78,374	73,197	55,374	53,704	66,326	**750,949**
Commercial	44,019	42,475	41,518	40,679	40,305	45,086	51,013	53,245	52,147	45,517	42,666	45,119	**543,789**
Industrial	57,938	59,032	60,261	60,548	62,729	66,152	66,424	69,611	69,618	68,924	67,544	67,217	**775,998**
Other	7,252	6,919	6,893	6,296	6,216	6,228	6,752	6,885	6,960	6,492	6,560	6,765	**80,218**
Total Sales	**179,176**	**173,465**	**167,584**	**163,807**	**158,919**	**171,604**	**194,153**	**208,115**	**201,922**	**176,307**	**170,474**	**185,427**	**2,150,953**

U.S. Sales of Electricity
Total U.S.
Millions of kilowatt hours

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
1984													
Residential	83,300	69,776	63,719	56,373	53,519	59,933	71,020	73,138	67,456	55,965	56,543	66,915	**777,657**
Commercial	49,216	45,840	45,251	43,052	44,150	49,410	53,922	53,603	52,854	48,061	45,938	46,485	**577,782**
Industrial	66,743	66,604	69,687	69,049	70,774	73,014	71,843	74,534	71,275	70,945	68,688	66,607	**839,763**
Other	7,289	6,638	6,906	6,452	6,559	6,714	7,006	7,089	6,780	6,732	6,840	6,910	**81,915**
Total Sales	**206,548**	**188,857**	**185,563**	**174,927**	**175,003**	**189,071**	**203,791**	**208,364**	**198,365**	**181,702**	**178,009**	**186,917**	**2,277,117**
1985													
Residential	77,242	78,011	63,981	56,025	52,842	60,652	70,966	73,693	71,064	57,515	56,794	72,192	**790,977**
Commercial	49,634	49,406	46,629	45,826	47,711	51,521	56,128	57,041	55,960	49,978	47,843	51,289	**608,966**
Industrial	67,219	66,582	67,437	68,445	70,140	70,091	69,760	71,402	70,744	69,158	67,164	66,383	**824,525**
Other	7,270	7,046	6,875	7,049	6,903	6,848	7,135	7,277	7,263	6,903	7,264	7,243	**85,076**
Total Sales	**201,364**	**201,045**	**184,922**	**177,345**	**177,596**	**189,112**	**203,989**	**209,414**	**205,030**	**183,554**	**179,065**	**197,107**	**2,309,543**
1986													
Residential	82,755	70,949	65,318	56,647	54,266	63,986	80,365	80,425	68,543	62,875	58,589	72,945	**817,663**
Commercial	53,377	50,481	48,256	47,243	48,867	57,121	61,100	60,528	57,711	53,256	50,278	53,250	**641,468**
Industrial	65,400	65,373	67,018	66,783	68,076	67,973	68,814	68,737	69,396	69,487	65,239	65,995	**808,291**
Other	7,246	6,863	6,837	6,275	6,804	6,872	7,533	7,254	7,156	7,025	6,255	7,290	**83,410**
Total Sales	**208,779**	**193,665**	**187,430**	**176,949**	**178,012**	**195,953**	**217,812**	**216,943**	**202,807**	**192,642**	**180,362**	**199,480**	**2,350,834**
1987													
Residential	82,175	73,486	67,404	60,014	58,498	68,842	85,460	88,180	73,494	60,885	59,980	73,125	**851,543**
Commercial	54,359	52,090	51,123	49,554	53,287	59,068	64,294	64,937	61,139	55,767	51,940	54,310	**671,868**
Industrial	65,742	65,430	68,009	68,128	70,105	72,568	73,909	74,751	74,525	72,924	71,015	70,282	**847,388**
Other	7,431	7,162	7,021	6,855	7,050	7,308	7,599	7,690	7,274	7,053	7,105	7,249	**86,797**
Total Sales	**209,708**	**198,168**	**193,557**	**184,551**	**188,940**	**207,786**	**231,262**	**235,558**	**216,431**	**196,630**	**190,040**	**204,966**	**2,457,597**
1988													
Residential	89,508	80,232	71,406	61,390	57,569	68,775	87,007	94,207	77,531	63,761	63,629	77,111	**892,126**
Commercial	57,543	55,468	53,886	52,272	52,911	60,177	66,067	68,374	63,159	57,358	53,889	56,607	**697,711**
Industrial	70,989	71,750	72,487	71,794	73,782	76,255	76,304	79,611	77,573	76,560	74,147	74,500	**895,752**
Other	6,881	6,797	6,577	6,385	6,438	6,941	7,246	7,370	7,159	6,982	6,654	6,933	**82,363**
Total Sales	**224,921**	**214,247**	**204,356**	**191,840**	**190,700**	**212,148**	**236,625**	**249,561**	**225,421**	**204,661**	**198,319**	**215,151**	**2,567,950**
1989													
Residential	85,616	78,189	77,290	64,685	61,065	71,470	85,893	86,100	78,684	65,248	64,815	85,444	**904,499**
Commercial	59,397	57,508	58,461	54,786	55,997	62,476	67,185	67,647	64,953	58,843	56,167	60,366	**723,786**
Industrial	72,315	71,003	72,105	74,168	76,330	78,376	77,780	80,488	78,764	79,760	76,950	76,795	**914,834**
Other	7,553	7,141	7,446	7,074	7,258	7,733	8,022	8,025	7,811	7,535	7,374	7,744	**90,716**
Total Sales	**224,881**	**213,841**	**215,301**	**200,713**	**200,651**	**220,054**	**238,879**	**242,262**	**230,211**	**211,386**	**205,306**	**230,348**	**2,633,833**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total U.S. Coal
Millions of short tons

				Consumption						
	Production	Imports	Exports	Electric Utilities	Coke Plants	Industrial & Misc.	Trans-portation	Resid. & Comm.	Total Consumption	Total Stocks
1949	480.6	0.3	32.8	84.0	91.4	121.2	70.2	116.5	483.2	49.5
1950	560.4	0.4	29.4	91.9	104.0	120.6	63.0	114.6	494.1	77.3
1951	576.3	0.3	62.7	105.8	113.7	128.7	56.2	101.5	505.9	81.8
1952	507.4	0.3	52.2	107.1	97.8	117.1	39.8	92.3	454.1	82.4
1953	488.2	0.3	36.5	115.9	113.1	117.0	29.6	79.2	454.8	86.6
1954	420.8	0.2	33.9	118.4	85.6	98.2	18.6	69.1	389.9	75.7
1955	490.8	0.3	54.4	143.8	107.7	110.1	17.0	68.4	447.0	71.7
1956	529.8	0.4	73.8	158.3	106.3	114.3	13.8	64.2	456.9	81.3
1957	518.0	0.4	80.8	160.8	108.4	106.5	9.8	49.0	434.5	83.7
1958	431.6	0.3	52.6	155.7	76.8	100.5	4.7	47.9	385.7	78.6
1959	432.7	0.4	39.0	168.4	79.6	92.7	3.6	40.8	385.1	78.4
1960	434.3	0.3	38.0	176.7	81.4	96.0	3.0	40.9	398.1	75.2
1961	420.4	0.2	36.4	182.2	74.2	95.9	0.8	37.3	390.4	73.0
1962	439.0	0.2	41.2	193.3	74.7	97.1	0.7	36.5	402.3	71.3
1963	477.2	0.3	51.3	211.3	78.1	101.9	0.7	31.5	423.5	71.5
1964	504.2	0.3	50.9	225.4	89.2	103.1	0.7	27.2	445.7	76.7
1965	527.0	0.2	52.2	244.8	95.3	105.6	0.7	25.7	472.0	78.6
1966	546.8	0.2	50.8	266.5	96.4	108.7	0.6	25.6	497.7	75.6
1967	564.9	0.2	51.0	274.2	92.8	101.8	0.5	22.1	491.4	94.6
1968	556.7	0.2	52.0	297.8	91.3	100.4	0.4	20.0	509.8	87.0
1969	571.0	0.1	57.9	310.6	93.4	93.1	0.3	18.9	516.4	81.9
1970	612.7	0.0	72.4	320.2	96.5	90.2	0.3	16.1	523.2	93.0
1971	560.9	0.1	58.0	327.3	83.2	75.6	0.2	15.2	501.6	91.0
1972	602.5	0.0	57.2	351.8	87.7	72.9	0.2	11.7	524.3	116.8
1973	598.6	0.1	53.6	389.2	94.1	67.0	0.1	11.1	562.6	104.6
1974	610.0	2.1	60.7	391.8	90.2	64.0	0.1	11.4	558.4	96.6
1975	654.6	0.9	66.3	406.0	83.6	63.7	0.0	9.4	562.6	128.3
1976	684.9	1.2	60.0	448.4	84.7	61.8	0.0	8.9	603.8	134.7
1977	697.2	1.6	54.3	477.1	77.7	61.5	0.0	9.0	625.3	157.3
1978	670.2	3.0	40.7	481.2	71.4	63.1	0.0	9.5	625.2	145.9
1979	781.1	2.1	66.0	527.1	77.4	67.7	0.0	8.4	680.5	202.5
1980	829.7	1.2	91.7	569.3	66.7	60.3	0.0	6.5	702.7	228.4
1981	823.8	1.0	112.5	596.8	61.0	67.4	0.0	7.4	732.6	209.4
1982	838.1	0.7	106.3	593.7	40.9	64.1	0.0	8.2	706.9	232.0
1983	782.1	1.3	77.8	625.2	37.0	66.0	0.0	8.4	736.7	202.6
1984	895.9	1.3	81.5	664.4	44.0	73.7	0.0	9.1	791.3	231.3
1985	883.6	2.0	92.7	693.8	41.1	75.4	0.0	7.8	818.0	203.4
1986	890.3	2.2	85.5	685.1	36.0	75.6	0.0	7.7	804.3	207.3
1987	918.8	1.7	79.6	717.9	37.0	75.2	0.0	7.0	836.9	213.8
1988	950.3	2.1	95.0	758.4	41.9	76.3	0.0	7.1	883.7	188.8
1989	979.6	2.9	100.8	765.8	41.4	76.1	0.0	6.2	889.5	175.1

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Mines, Energy Information Administration

Total U.S. Nuclear Power Production

	Number of Operable Nuclear Reactors	Capacity of Operable Nuclear Reactors 000 net kilowatts	Nuclear Based Electricity Generation Million kwh	Nuclear Electricity Generation % of total	Nuclear Capacity Factor % usage
1973	39	22,615	83,479	4.5	53.7
1974	48	31,803	113,976	6.1	47.9
1975	54	37,161	172,505	9.0	56.0
1976	61	43,657	191,104	9.4	54.9
1977	65	46,202	250,883	11.8	63.4
1978	70	50,709	276,403	12.5	64.7
1979	68	49,630	255,155	11.4	58.5
1980	70	51,668	251,116	11.0	56.4
1981	74	55,914	272,674	11.9	58.4
1982	77	59,927	282,773	12.6	56.7
1983	80	63,009	293,677	12.7	54.4
1984	86	69,652	327,634	13.6	56.3
1985	95	79,397	383,691	15.5	58.0
1986	100	85,241	414,038	16.6	56.9
1987	107	93,583	455,270	17.7	57.4
1988	108	94,695	526,973	19.5	63.5
1989	110	97,869	529,355	19.0	62.3

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Worldwide Primary Energy Consumption
Million barrels of oil equivalent

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
United States	11,922.2	12,166.3	12,465.4	12,958.0	13,288.6	12,867.1	12,547.5	13,216.7	13,505.5	13,876.4
Canada	1,119.3	1,192.6	1,233.6	1,317.2	1,399.3	1,448.4	1,429.4	1,515.1	1,561.3	1,597.2
North America	**13,041.5**	**13,358.9**	**13,699.0**	**14,275.2**	**14,687.9**	**14,315.5**	**13,976.8**	**14,731.8**	**15,066.8**	**15,473.6**
Latin America	1,340.7	1,386.1	1,472.6	1,591.3	1,726.9	1,819.3	1,856.7	1,925.6	2,048.7	2,159.4
Austria	137.1	154.7	153.2	162.0	174.5	172.3	171.5	173.7	175.9	183.3
Belgium & Luxembourg	332.0	357.7	353.3	376.0	372.4	365.8	342.3	365.0	368.0	376.8
Denmark	137.1	149.5	145.1	151.7	144.4	132.7	133.4	140.7	145.9	142.9
Finland	106.3	115.8	118.0	119.5	131.2	126.1	127.5	134.9	142.2	146.6
France	1,073.1	1,155.9	1,193.3	1,256.4	1,364.1	1,349.5	1,254.2	1,342.9	1,367.8	1,405.9
Greece	66.0	73.3	87.2	98.2	112.1	109.2	124.6	137.1	142.2	145.1
Iceland	8.1	11.7	11.0	13.2	15.4	13.2	14.7	15.4	13.2	13.9
Ireland	49.8	47.6	49.8	52.0	54.2	54.2	52.0	52.8	56.4	57.9
Italy	810.0	893.5	937.5	971.2	1,010.8	1,003.5	974.2	1,046.0	1,046.0	1,065.8
Netherlands	389.2	443.5	471.3	530.0	563.7	521.9	522.6	559.3	551.2	549.8
Norway	170.8	177.4	187.6	197.2	206.0	207.4	211.1	225.0	206.0	217.0
Portugal	44.7	48.4	54.2	60.8	66.0	66.0	64.5	64.5	74.0	77.0
Spain	301.3	324.0	360.6	385.6	423.7	449.3	453.7	494.0	510.9	521.2
Sweden	264.6	309.3	310.8	318.1	337.9	318.9	334.2	359.9	348.2	353.3
Switzerland	141.5	156.9	162.0	157.6	175.2	164.9	172.3	165.7	185.4	182.5
Turkey	89.4	93.1	102.6	112.9	131.9	129.0	144.4	166.4	178.9	169.3
United Kingdom	1,526.1	1,578.1	1,565.0	1,580.3	1,647.8	1,572.3	1,497.5	1,520.2	1,553.2	1,549.6
West Germany	1,633.9	1,735.0	1,748.2	1,815.6	1,941.7	1,876.5	1,778.3	1,902.9	1,903.6	1,979.1
Western Europe	**7,280.9**	**7,825.5**	**8,011.0**	**8,358.4**	**8,873.0**	**8,632.5**	**8,373.1**	**8,866.4**	**8,969.0**	**9,136.8**
Cyprus/Gibraltar/Malta	7.3	7.3	8.8	9.5	10.3	9.5	8.1	9.5	10.3	10.3
Middle East	456.7	533.6	562.2	508.7	658.2	702.2	685.4	752.8	808.5	865.7
Africa	631.8	669.2	713.2	702.2	719.1	744.7	778.4	862.0	902.3	1,003.5
China	1,874.3	2,123.5	2,359.5	2,454.8	2,657.1	2,844.8	3,008.2	3,206.1	3,368.9	3,576.3
Japan	1,838.4	2,089.8	2,209.3	2,278.2	2,548.6	2,539.8	2,422.6	2,526.7	2,551.6	2,598.5
Korea	92.4	107.8	117.3	120.9	149.5	155.4	169.3	188.4	211.8	243.4
Taiwan	51.3	53.5	59.4	68.2	75.5	79.2	87.2	100.4	110.0	134.9
South Asia	682.4	673.6	695.6	727.1	757.2	762.3	774.8	839.3	871.5	918.4
Other Asia	304.2	346.0	373.8	410.5	458.1	477.9	461.1	481.6	510.9	532.9
Asia	**4,843.0**	**5,394.2**	**5,814.9**	**6,059.7**	**6,646.1**	**6,859.4**	**6,923.2**	**7,342.5**	**7,624.7**	**8,004.4**
Australia	333.5	354.8	373.8	384.1	397.3	417.8	431.0	458.9	486.0	500.6
New Zealand	57.2	64.5	67.4	71.8	76.2	77.7	75.5	81.4	82.8	82.8
Australasia	**390.7**	**419.3**	**441.3**	**455.9**	**473.5**	**495.5**	**506.5**	**540.2**	**568.8**	**583.5**
USSR	5,224.8	5,489.4	5,782.6	6,131.5	6,407.2	6,773.7	7,108.6	7,452.4	7,774.2	8,098.9
E. Eur. & Oth. Communist*	2,669.6	2,833.0	2,990.6	3,079.3	3,161.4	3,280.2	3,471.5	3,642.3	3,778.6	3,886.4
Total World	**35,887.1**	**37,916.7**	**39,496.2**	**41,171.8**	**43,363.5**	**43,632.6**	**43,688.3**	**46,125.5**	**47,551.9**	**49,222.5**
Total Non-Communist	**26,118.4**	**27,470.7**	**28,363.4**	**29,506.1**	**31,137.8**	**30,734.0**	**30,100.0**	**31,824.7**	**32,630.2**	**33,660.9**
Total Communist	**9,768.7**	**10,446.0**	**11,132.8**	**11,665.7**	**12,225.7**	**12,898.6**	**13,588.4**	**14,300.8**	**14,921.7**	**15,561.6**
Total OECD	**22,551.5**	**23,693.5**	**24,360.5**	**25,367.7**	**26,583.0**	**25,983.4**	**25,279.0**	**26,665.1**	**27,156.2**	**27,792.4**

Worldwide Primary Energy Consumption
Million barrels of oil equivalent

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
United States	13,990.0	13,458.6	13,155.2	12,598.8	12,562.2	13,187.4	13,138.3	13,172.0	13,637.5	14,190.1	14,424.0
Canada	1,625.8	1,657.3	1,611.1	1,575.2	1,554.0	1,597.9	1,633.1	1,663.9	1,716.7	1,802.4	1,790.7
North America	**15,615.8**	**15,115.9**	**14,766.3**	**14,174.0**	**14,116.1**	**14,785.3**	**14,771.4**	**14,835.9**	**15,354.2**	**15,992.6**	**16,214.7**
Latin America	2,426.2	2,564.8	2,616.1	2,705.5	2,732.6	2,808.9	2,883.6	2,945.2	3,121.1	3,193.7	3,324.2
Austria	193.5	194.2	184.7	178.9	177.4	179.6	184.7	186.2	199.4	195.0	195.0
Belgium & Luxembourg	374.6	369.4	351.8	337.2	323.3	339.4	352.6	363.6	376.0	379.7	373.8
Denmark	147.3	142.9	133.4	122.4	115.8	123.1	134.9	137.8	132.7	131.9	120.2
Finland	158.3	158.3	158.3	156.9	156.9	159.1	165.7	167.9	178.[illegible]	175.2	174.5
France	1,414.0	1,387.6	1,367.0	1,332.6	1,333.3	1,370.0	1,382.4	1,429.4	1,452[illegible]	1,444.7	1,476.3
Greece	127.5	127.5	122.4	123.1	127.5	134.9	139.3	141.5	153.2	159.8	162.0
Iceland	13.9	13.9	13.2	11.0	11.0	11.0	11.0	11.0	11.7	11.7	12.5
Ireland	65.2	62.3	60.1	60.8	60.1	61.6	62.3	64.5	64.5	64.5	66.7
Italy	1,097.3	1,068.7	1,056.3	1,029.9	1,015.2	1,024.7	1,023.3	1,051.9	1,090.7	1,113.4	1,136.2
Netherlands	575.4	541.0	518.2	496.2	475.0	494.8	510.9	535.8	541.7	545.4	544.6
Norway	232.4	222.8	217.7	237.5	226.5	227.2	234.6	232.4	243.4	242.6	240.4
Portugal	82.8	83.6	84.3	90.9	88.0	92.4	78.4	87.2	87.2	88.0	96.8
Spain	552.7	560.7	563.7	554.9	580.5	576.9	571.0	576.1	589.3	609.1	634.8
Sweden	365.8	351.8	350.4	338.6	352.6	366.5	392.2	392.9	394.4	418.5	406.1
Switzerland	179.6	194.2	193.5	188.4	195.0	189.1	209.6	211.1	208.2	210.4	197.9
Turkey	171.5	179.6	189.1	203.0	206.7	222.8	228.0	309.3	348.2	364.3	377.5
United Kingdom	1,626.5	1,493.9	1,437.4	1,421.3	1,423.7	1,413.2	1,481.4	1,523.2	1,515.8	1,523.9	1,494.6
West Germany	2,103.7	1,982.8	1,894.8	1,829.6	1,839.8	1,907.3	1,962.2	1,963.0	1,956.4	1,970.3	1,922.7
Western Europe	**9,482.1**	**9,135.4**	**8,896.4**	**8,713.2**	**8,708.2**	**8,893.5**	**9,124.4**	**9,384.6**	**9,542.9**	**9,648.5**	**9,632.4**
Cyprus/Gibraltar/Malta	11.0	11.0	11.0	11.7	11.7	13.2	14.7	15.4	17.6	19.1	18.3
Middle East	951.4	1,009.3	1,059.9	1,070.9	1,156.7	1,285.7	1,357.5	1,428.6	1,495.3	1,617.0	1,689.6
Africa	1,106.1	1,155.9	1,243.2	1,337.0	1,344.3	1,378.8	1,419.8	1,425.0	1,467.5	1,549.6	1,582.5
China	3,250.9	3,142.4	3,070.5	3,186.4	3,440.7	3,720.0	3,972.1	4,187.6	4,341.6	4,516.7	4,870.8
Japan	2,711.4	2,635.9	2,591.2	2,499.5	2,509.8	2,729.7	2,743.6	2,753.9	2,786.1	2,949.6	3,059.5
Korea	278.5	287.3	302.0	302.0	328.4	358.4	380.4	428.8	488.2	551.2	601.1
Taiwan	151.7	169.3	169.3	174.5	197.2	215.5	243.4	258.0	291.0	327.7	343.0
South Asia	784.3	860.5	933.1	1,002.7	1,070.2	1,142.0	1,235.8	1,323.1	1,391.2	1,505.6	1,580.3
Other Asia*	962.4	986.6	1,009.3	997.6	1,019.6	1,030.6	1,029.9	1,093.6	1,168.4	1,252.7	1,373.6
Asia	**8,139.2**	**8,082.1**	**8,075.5**	**8,162.7**	**8,565.8**	**9,196.2**	**9,605.2**	**10,045.0**	**10,466.5**	**11,103.5**	**11,828.4**
Australia	527.8	526.3	543.9	549.0	538.8	561.5	578.3	616.5	642.8	613.5	664.1
New Zealand	82.1	83.6	84.3	84.3	92.4	96.0	97.5	110.0	113.6	118.0	131.2
Australasia	**609.9**	**609.9**	**628.2**	**633.3**	**631.1**	**657.5**	**675.8**	**726.4**	**756.5**	**731.5**	**795.3**
USSR	8,312.2	8,304.9	8,428.0	8,638.4	8,782.8	9,100.9	9,446.9	9,721.0	9,957.8	10,188.0	10,184.3
E. Eur. & Oth. Communist*	3,257.5	3,338.1	3,226.7	3,260.4	3,269.2	3,350.5	3,429.0	3,533.1	3,560.2	3,526.5	3,467.8
Total World	**49,911.4**	**49,327.2**	**48,951.2**	**48,707.1**	**49,318.6**	**51,470.5**	**52,728.4**	**54,060.2**	**55,739.5**	**57,569.8**	**58,737.5**
Total Non-Communist	**34,688.5**	**34,127.7**	**33,808.2**	**33,195.4**	**33,387.4**	**34,867.3**	**35,433.2**	**36,159.6**	**37,408.7**	**38,853.4**	**39,710.3**
Total Communist	**15,222.9**	**15,199.5**	**15,143.0**	**15,511.7**	**15,931.2**	**16,603.2**	**17,295.1**	**17,900.6**	**18,330.9**	**18,716.4**	**19,027.2**
Total OECD	**28,419.1**	**27,497.0**	**26,882.0**	**26,020.0**	**25,965.1**	**27,066.0**	**27,315.2**	**27,700.8**	**28,439.7**	**29,322.2**	**29,701.9**

* Other Communist is included in Other Asia beginning in 1979.

Data from Oil & Gas Journal Energy Database.
Source: British Petroleum

Worldwide Coal Production
Millions of short tons

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Canada	23	28	28	32	34	33	40	44	47	50	63	67	64	67	78
Mexico	6	6	6	7	7	8	8	8	8	10	10	9	9	8	11
United States	610	655	685	697	670	781	830	824	838	782	890	884	890	919	950
North America	**639**	**688**	**719**	**736**	**711**	**822**	**878**	**876**	**894**	**841**	**964**	**960**	**964**	**994**	**1,038**
Brazil	3	3	4	4	4	8	9	6	7	7	8	9	8	8	8
Colombia	3	4	4	4	4	5	6	6	7	6	8	11	12	16	17
Other	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4
Central & South America	**9**	**9**	**10**	**10**	**10**	**16**	**16**	**14**	**16**	**16**	**18**	**21**	**23**	**27**	**30**
Belgium	9	8	8	8	7	7	7	7	7	7	7	8	6	6	6
France	28	28	28	27	26	23	23	24	22	22	21	19	18	17	18
West Germany	244	238	247	229	228	239	239	241	247	236	233	231	222	211	207
Greece	16	20	25	26	25	26	26	30	30	33	35	40	42	49	55
Spain	15	[illegible]	16	19	22	24	32	38	43	44	44	44	42	40	35
Turkey	11	12	11	13	15	22	18	19	24	32	38	43	51	52	52
United Kingdom	121	142	137	135	136	135	141	138	137	127	55	104	119	115	114
Yugoslavia	37	39	41	43	44	46	52	58	60	65	72	75	77	78	78
Other	8	7	7	6	6	6	6	6	7	6	5	6	7	4	4
Western Europe	**488**	**509**	**518**	**506**	**509**	**529**	**543**	**561**	**577**	**571**	**510**	**570**	**584**	**573**	**570**
Albania	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3
Bulgaria	27	31	28	28	28	31	33	32	35	36	36	34	35	39	38
Czechoslovakia	122	127	130	134	136	137	136	137	139	140	143	140	139	137	140
East Germany	269	272	273	280	279	282	285	294	304	309	327	344	343	331	349
Hungary	28	27	28	28	28	28	28	29	29	28	28	27	25	24	24
Poland	222	233	241	250	258	264	254	219	250	258	267	275	286	290	313
Romania	30	30	28	30	32	36	39	41	42	39	49	51	52	50	57
USSR	755	773	784	796	798	792	790	776	792	789	785	798	825	832	865
Eastern Europe & USSR	**1,454**	**1,494**	**1,513**	**1,546**	**1,560**	**1,571**	**1,566**	**1,529**	**1,593**	**1,601**	**1,635**	**1,671**	**1,709**	**1,704**	**1,789**
South Africa	73	77	85	94	100	114	127	144	151	161	161	192	195	195	194
Zimbabwe	3	3	3	3	3	4	4	3	3	4	4	3	4	5	6
Other	2	3	3	3	3	3	2	2	3	3	3	3	2	1	1
Africa	**78**	**82**	**91**	**100**	**106**	**121**	**133**	**149**	**157**	**167**	**167**	**198**	**201**	**202**	**203**
Australia	94	98	109	111	114	119	116	130	140	146	153	186	187	209	194
China	548	570	586	606	681	698	684	683	734	788	870	937	959	1,019	1,054
India	96	109	116	115	116	118	125	142	148	158	168	173	188	207	216
Japan	22	26	20	20	21	19	20	20	19	19	18	18	18	14	11
North Korea	43	44	45	45	45	48	50	50	52	50	51	53	54	57	61
South Korea	17	19	18	19	20	20	21	22	20	21	23	26	28	25	28
Other	16	17	19	19	18	21	21	21	24	23	25	30	30	36	36
Subtotal Other Areas	**836**	**883**	**913**	**935**	**1,015**	**1,043**	**1,037**	**1,068**	**1,137**	**1,205**	**1,308**	**1,423**	**1,464**	**1,568**	**1,600**
Total World	**3,505**	**3,665**	**3,763**	**3,833**	**3,911**	**4,101**	**4,173**	**4,198**	**4,375**	**4,402**	**4,623**	**4,844**	**4,944**	**5,070**	**5,231**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Worldwide Hydroelectric Power Production
Billions of kilowatt hours

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Canada	202.4	212.8	220.3	234.0	243.0	251.0	263.2	255.3	263.4	283.4	300.7	307.7	313.2	303.5
Mexico	15.1	17.2	19.1	16.2	17.9	16.7	24.4	22.7	20.5	23.4	26.0	19.8	18.2	16.7
United States	303.2	286.9	223.6	283.5	283.1	279.2	263.8	312.4	335.3	324.3	284.3	294.0	252.9	226.1
North America	**520.7**	**516.9**	**463.0**	**533.7**	**544.0**	**546.9**	**551.4**	**590.4**	**619.2**	**631.1**	**611.0**	**621.5**	**584.3**	**546.3**
Argentina	5.1	4.9	5.7	7.7	10.5	15.0	14.5	17.4	18.2	19.7	20.4	20.8	21.0	22.3
Brazil	73.8	82.4	93.5	102.7	115.1	127.4	129.5	139.7	150.0	164.9	176.6	180.8	185.0	188.6
Chile	6.1	6.2	6.4	6.8	6.9	7.3	7.5	8.4	8.8	9.2	10.3	11.2	11.2	13.6
Colombia	9.8	10.3	10.5	12.1	13.2	14.3	14.2	17.9	18.0	20.0	21.6	25.0	25.3	27.4
Peru	5.4	5.7	6.0	6.1	6.5	7.5	7.1	8.3	8.0	8.5	9.2	9.9	10.0	11.6
Venezuela	8.8	10.5	11.8	12.0	13.3	14.5	14.9	15.1	17.5	19.5	20.5	21.1	23.9	25.3
Other	8.2	8.8	9.1	10.6	11.3	13.1	13.7	14.3	15.7	17.9	19.7	21.3	23.8	25.4
Central & South America	**117.2**	**128.8**	**143.0**	**158.0**	**176.8**	**199.1**	**201.4**	**221.1**	**236.2**	**259.7**	**278.3**	**290.1**	**300.2**	**314.2**
Austria	23.5	20.3	24.6	24.6	27.8	28.9	30.5	30.6	30.1	29.0	31.0	31.1	36.1	36.1
Finland	12.0	9.3	12.0	9.6	10.7	10.0	13.4	13.0	13.4	13.2	12.0	12.1	13.4	13.6
France	59.9	48.6	76.1	68.5	67.0	69.2	72.7	71.0	70.7	67.4	63.7	64.0	71.6	75.0
West Germany	16.9	13.8	17.3	18.2	18.2	20.6	19.8	19.3	18.6	18.2	17.4	18.3	20.3	20.4
Italy	42.4	40.7	52.5	47.1	47.9	46.5	45.3	43.8	43.9	44.9	44.0	44.0	41.9	38.9
Norway	76.6	81.2	71.5	80.1	88.1	83.0	92.1	92.0	105.0	105.3	101.8	95.8	102.8	108.5
Spain	26.2	22.3	40.3	41.1	46.9	30.5	22.7	27.8	28.6	33.1	32.8	26.9	27.7	32.2
Sweden	57.0	54.2	52.8	57.0	60.3	58.7	59.6	55.0	63.7	67.4	70.3	60.1	70.3	69.7
Switzerland	34.0	26.6	36.3	32.5	32.3	33.5	36.1	37.0	36.0	30.9	31.7	33.6	35.0	36.3
Yugoslavia	19.1	20.3	24.1	24.9	26.3	27.9	25.1	23.3	21.6	24.9	23.2	26.5	27.0	27.8
Other	22.9	24.3	29.9	32.7	35.8	31.6	31.2	34.8	32.1	35.6	35.3	34.7	42.1	53.8
Western Europe	**390.5**	**361.6**	**437.4**	**436.3**	**461.3**	**442.4**	**448.5**	**447.6**	**463.7**	**469.9**	**463.2**	**447.1**	**488.2**	**512.3**
Czechoslovakia	3.8	3.4	4.3	4.0	4.1	4.7	4.2	3.7	3.8	3.2	4.3	4.0	4.0	4.9
Romania	8.6	8.0	9.3	10.5	11.2	12.5	12.6	11.7	9.9	11.2	11.8	12.0	12.0	11.7
USSR	124.7	134.4	145.5	168.0	170.3	182.0	184.9	172.9	178.6	200.8	212.4	213.6	215.0	222.6
Other	7.5	7.8	8.9	8.5	9.1	10.6	10.5	9.8	11.7	11.7	11.2	11.2	15.6	11.8
Eastern Europe & USSR	**144.6**	**153.6**	**168.0**	**191.0**	**194.7**	**209.8**	**212.2**	**198.1**	**204.0**	**226.9**	**239.7**	**240.8**	**246.6**	**251.0**
Egypt	6.7	8.0	8.9	9.2	9.4	9.7	10.1	10.4	10.1	9.6	8.0	7.9	5.9	5.4
Zaire	3.7	4.0	4.0	4.1	4.2	4.2	4.1	4.1	4.4	4.6	4.9	5.2	5.1	5.1
Zambia	5.9	6.9	8.5	7.8	8.7	9.0	9.7	9.9	9.9	9.8	9.9	9.7	8.4	7.7
Zimbabwe	5.3	4.9	3.5	3.8	3.5	4.0	4.1	3.6	3.7	3.4	3.1	3.1	2.5	2.4
Other	15.6	18.6	22.4	23.8	30.2	35.5	24.7	23.4	22.5	18.9	20.2	20.6	20.9	22.9
Africa	**37.2**	**42.4**	**47.3**	**48.7**	**56.0**	**62.4**	**52.7**	**51.4**	**50.6**	**46.3**	**46.1**	**46.5**	**42.8**	**43.5**
Australia	15.1	15.4	13.6	14.5	16.0	16.9	14.7	14.4	12.8	13.4	14.9	14.5	13.7	14.4
China	44.5	50.5	47.1	44.2	49.6	57.6	64.9	73.7	85.5	85.9	91.5	99.0	100.0	104.3
India	33.0	34.5	37.6	46.7	45.1	46.1	49.1	47.9	49.5	53.4	50.5	53.2	53.5	61.1
Japan	85.0	87.5	75.5	73.9	84.2	91.2	89.7	83.2	87.1	72.7	87.1	85.7	86.0	86.6
North Korea	16.3	16.8	17.3	19.3	20.3	22.3	22.8	24.8	25.7	26.7	27.7	28.7	29.7	29.4
New Zealand	16.7	14.8	14.4	16.1	15.3	16.2	19.3	17.9	19.4	20.0	19.9	21.6	22.0	22.4
Pakistan	4.6	5.7	5.4	5.8	8.3	8.6	9.0	9.4	11.3	12.7	12.1	13.7	14.0	16.9
Philippines	2.2	2.8	2.2	2.8	2.8	3.5	3.7	3.7	2.9	5.1	5.5	6.0	5.2	5.0
Other	17.7	19.0	23.7	25.1	27.7	28.5	30.7	31.6	35.0	37.8	42.9	46.4	44.4	45.6
Subtotal Other Areas	**235.1**	**247.0**	**236.8**	**248.4**	**269.3**	**290.9**	**303.9**	**306.6**	**329.2**	**327.7**	**352.1**	**368.8**	**368.5**	**385.7**
Total World	1,445.3	1,450.3	1,495.5	1,616.1	1,702.1	1,751.5	1,770.1	1,815.2	1,902.9	1,961.6	1,990.4	2,014.8	2,030.6	2,053.0

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

Worldwide Nuclear Electric Power Production
Billions of kilowatt hours

	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Argentina	1.0	2.4	2.4	1.6	2.8	2.6	2.2	2.7	1.8	3.2	4.3	5.5	5.4	6.1	5.0
Brazil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	2.0	3.2	0.1	0.9	0.3
Canada	14.6	12.6	17.1	23.6	28.0	31.6	35.9	37.8	36.2	46.2	49.3	57.1	67.2	72.9	78.2
United States	114.0	172.5	191.1	250.9	276.4	255.2	251.1	272.7	282.8	293.7	327.6	383.7	414.0	455.3	526.9
Western Hemisphere	**129.6**	**187.5**	**210.6**	**276.1**	**307.2**	**289.4**	**289.2**	**313.2**	**320.9**	**343.3**	**383.2**	**449.5**	**486.7**	**535.2**	**610.4**
Belgium	0.1	6.4	9.5	11.3	11.9	10.8	11.9	12.2	14.8	22.8	26.3	32.8	37.3	39.8	40.6
Finland	0.0	0.0	0.0	2.5	3.1	6.3	6.6	13.7	15.7	16.6	17.6	17.8	17.8	18.5	18.2
France	14.0	17.4	14.8	17.0	29.0	37.9	63.4	99.2	102.6	136.0	180.5	211.2	239.6	249.3	260.2
West Germany	11.4	20.6	23.3	34.0	34.1	40.1	43.7	53.6	63.6	65.8	92.6	125.9	119.6	130.5	137.3
Italy	3.2	3.6	3.6	3.2	4.2	2.5	2.1	2.6	6.5	5.5	6.5	6.7	8.2	0.0	0.0
Netherlands	3.1	3.2	3.7	3.5	3.9	3.3	4.0	3.5	3.7	3.4	3.6	3.7	4.0	3.4	3.5
Spain	6.9	7.2	7.2	6.2	7.3	6.4	5.2	9.6	8.8	10.7	23.1	28.0	37.5	41.3	48.3
Sweden	1.6	11.4	15.2	18.9	22.6	20.0	25.3	36.0	37.3	39.1	48.5	55.8	66.9	64.4	65.6
Switzerland	6.7	7.3	7.5	7.7	7.9	11.3	12.9	13.6	13.5	14.0	16.4	20.1	20.1	20.5	21.5
United Kingdom	32.3	29.0	35.0	36.2	34.8	36.6	32.3	33.2	38.7	43.9	47.3	53.8	51.8	48.2	55.6
Yugoslavia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.4	3.7	4.2	4.0	4.0	4.2	3.9
Western Europe	**79.3**	**106.1**	**119.8**	**140.5**	**158.8**	**175.2**	**207.4**	**277.5**	**307.6**	**361.5**	**466.6**	**559.8**	**606.8**	**620.1**	**654.7**
Bulgaria	0.9	2.4	4.7	5.6	5.6	5.9	5.9	8.7	10.2	11.7	12.1	12.5	11.5	11.7	11.7
Czechoslovakia	0.5	0.2	0.4	0.1	0.1	1.8	4.3	4.5	5.5	5.8	6.9	11.2	16.9	20.9	21.2
East Germany	2.1	2.6	5.0	4.9	6.3	9.3	11.3	11.3	10.3	11.6	11.2	12.1	10.4	10.6	10.4
Hungary	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.5	6.1	7.0	10.4	12.7
USSR	17.1	19.2	23.8	32.3	42.5	52.1	69.3	64.6	76.0	104.3	134.9	159.0	153.0	176.2	204.0
Eastern Europe & USSR	**20.6**	**24.4**	**33.9**	**42.9**	**54.5**	**69.1**	**90.8**	**89.1**	**102.0**	**135.7**	**168.6**	**200.9**	**198.8**	**229.8**	**260.0**
South Africa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.5	8.9	6.3	10.5
Africa	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**4.0**	**5.5**	**8.9**	**6.3**	**10.5**
India	2.4	2.4	3.0	2.6	2.2	3.0	2.7	2.9	2.0	2.7	3.9	4.3	4.9	5.1	5.7
Japan	17.2	21.1	35.0	26.7	50.5	58.9	78.7	79.3	99.3	103.6	120.8	144.4	156.6	177.1	164.1
South Korea	0.0	0.0	0.0	0.1	2.2	3.0	3.3	2.8	3.6	8.5	11.2	15.9	26.9	37.0	37.8
Pakistan	0.6	0.5	0.5	0.3	0.2	0.0	0.1	0.2	0.1	0.2	0.3	0.2	0.5	0.3	0.2
Taiwan	0.0	0.0	0.0	0.1	2.5	6.0	7.8	10.1	12.4	18.0	23.1	27.3	25.6	31.8	29.4
Far East & Oceania	**20.2**	**24.0**	**38.5**	**29.8**	**57.6**	**70.9**	**92.6**	**95.3**	**117.4**	**133.0**	**159.3**	**192.1**	**214.5**	**251.3**	**237.2**
Total World	**249.7**	**342.0**	**402.8**	**489.3**	**578.1**	**604.6**	**680.0**	**775.1**	**847.9**	**973.5**	**1,181.7**	**1,407.8**	**1,515.7**	**1,642.7**	**1,772.8**

Data from Oil & Gas Journal Energy Database.
Source: Energy Information Administration

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Oil & Gas Industry Employment
Thousands

	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Oil & Gas Extraction	340.1	344.0	327.5	329.5	309.2	303.1	298.0	289.2	291.1	287.1	281.8	275.8	275.6
Crude Petroleum, Natural Gas, & NGL	192.3	194.5	192.4	185.4	178.2	171.3	167.6	163.8	160.4	156.6	152.5	149.7	148.1
Oil & Gas Field Services	NA	NA	135.0	144.2	131.1	131.8	130.4	125.4	130.7	130.5	129.2	126.2	127.5
Petroleum Refining	200.8	198.9	190.4	181.4	177.2	168.4	160.5	153.7	149.6	148.1	148.2	147.9	150.1
Pipe Lines Except Natural Gas	25.9	26.5	25.7	24.3	23.1	22.2	21.6	20.7	20.0	19.5	18.9	18.7	18.5
Gas Production & Distribution	145.3	149.0	151.9	154.1	154.8	155.6	154.6	153.3	153.3	153.6	153.2	155.9	158.4
Petroleum & Petroleum Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Petroleum Bulk Stations & Terminals	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Service Stations	NA	NA	439.1	449.1	460.7	464.3	480.2	493.2	507.2	521.9	538.4	565.9	585.8

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Oil & Gas Extraction	279.9	270.1	264.2	267.9	273.9	300.2	328.8	345.7	381.4	429.3	474.2	559.7	692.1
Crude Petroleum, Natural Gas, & NGL	145.8	144.9	144.8	143.3	139.3	144.6	155.4	161.4	170.1	182.5	198.2	225.9	261.9
Oil & Gas Field Services	134.1	125.2	119.4	124.5	134.6	155.6	173.5	184.3	211.4	246.7	276.0	333.8	430.2
Petroleum Refining	144.7	153.7	152.8	151.4	149.2	153.0	152.8	156.6	159.5	164.1	165.2	154.8	172.8
Pipe Lines Except Natural Gas	17.9	17.6	17.3	16.7	16.8	17.3	17.5	17.7	18.5	19.6	20.1	21.3	21.8
Gas Production & Distribution	159.5	161.2	158.5	160.7	162.7	163.2	161.9	159.3	158.8	163.5	167.1	168.0	174.0
Petroleum & Petroleum Products	NA	NA	NA	225.2	220.8	216.8	227.5	232.0	229.7	229.4	225.4	223.9	231.5
Petroleum Bulk Stations & Terminals	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Service Stations	606.4	613.3	619.0	648.9	651.4	590.4	622.2	625.8	628.7	628.0	576.9	560.8	562.2

	1982	1983	1984	1985	1986	1987	1988	1989
Oil & Gas Extraction	708.3	599.9	606.5	582.9	450.5	405.2	411.2	404.3
Crude Petroleum, Natural Gas, & NGL	273.8	263.0	260.9	253.5	224.2	204.4	200.2	196.4
Oil & Gas Field Services	434.5	336.9	345.6	329.4	226.2	200.7	211.0	208.0
Petroleum Refining	164.2	158.2	151.1	141.4	131.1	126.7	125.0	123.4
Pipe Lines Except Natural Gas	21.3	20.7	19.1	18.7	18.2	18.2	17.5	18.7
Gas Production & Distribution	176.9	173.2	173.2	174.8	167.4	165.7	166.0	167.3
Petroleum & Petroleum Products	222.6	211.3	208.3	205.9	200.5	198.4	203.0	208.0
Petroleum Bulk Stations & Terminals	92.4	85.0	87.1	84.2	83.5	83.6	85.7	87.9
Other	130.2	126.3	121.2	121.8	117.0	114.9	117.3	120.2
Gasoline Service Stations	559.0	556.9	574.7	588.5	596.0	609.6	628.9	642.3

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Labor Statistics

U.S. Oil & Gas Extraction Employees
Thousands

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	265.9	268.2	266.2	265.6	269.8	278.4	281.1	281.0	276.0	275.8	277.7	281.0	**273.9**
1974	282.5	283.4	285.7	287.5	292.3	301.6	306.9	311.5	308.5	311.1	313.4	318.4	**300.2**
1975	319.6	320.0	319.7	319.0	325.0	331.8	335.9	338.6	330.6	333.2	334.7	338.0	**328.8**
1976	339.4	334.6	335.6	336.4	338.7	347.8	352.2	355.5	350.2	351.0	352.5	354.5	**345.7**
1977	356.9	358.8	361.3	366.1	373.3	388.2	391.6	394.7	393.5	394.5	397.9	400.5	**381.4**
1978	404.1	405.5	413.2	414.8	420.7	436.3	441.1	445.4	440.7	440.8	443.6	445.2	**429.3**
1979	448.1	452.4	453.6	452.3	461.6	477.0	483.6	489.5	487.5	492.0	493.7	499.0	**474.2**
1980	504.0	511.3	517.1	526.2	545.4	567.2	576.0	584.5	584.2	591.9	599.5	609.0	**559.7**
1981	622.7	630.2	639.7	654.1	671.1	698.8	712.8	727.4	727.8	730.4	740.9	748.8	**692.1**
1982	753.7	754.5	754.0	741.6	729.6	727.1	708.8	699.9	674.7	655.8	650.4	649.1	**708.3**
1983	634.6	614.0	600.0	586.3	583.8	587.7	596.3	595.6	591.8	597.4	602.6	609.0	**599.9**
1984	605.1	601.0	596.6	591.0	594.9	606.9	610.6	616.0	612.5	611.4	616.6	615.3	**606.5**
1985	609.7	600.7	592.4	590.1	586.8	586.6	582.4	580.2	571.4	566.4	563.5	564.0	**582.9**
1986	557.8	535.4	50.7	471.3	444.6	434.5	430.5	417.4	404.5	402.9	401.8	398.2	**412.5**
1987	393.7	388.8	386.3	389.5	393.8	400.5	406.7	412.4	416.6	423.8	424.3	425.4	**405.2**
1988	418.0	413.9	414.7	403.7	406.8	409.7	423.2	423.6	418.6	415.9	412.4	410.0	**414.2**
1989	404.4	389.2	390.5	394.0	395.9	400.9	406.4	409.3	410.5	412.4	418.5	420.1	**404.3**

U.S. Petroleum Refining Employees
Thousands

	January	February	March	April	May	June	July	August	September	October	November	December	Annual Average
1973	148.9	145.4	145.9	144.7	146.7	150.5	151.0	152.9	151.9	150.9	150.6	151.1	**149.2**
1974	150.8	150.3	150.3	150.6	153.1	155.5	156.8	155.2	152.8	152.4	154.3	153.9	**153.0**
1975	148.8	144.6	147.4	147.5	151.5	155.0	157.7	156.8	156.1	155.8	156.6	156.0	**152.8**
1976	156.1	155.7	155.3	155.7	155.6	157.9	158.7	158.4	156.7	156.3	156.5	156.8	**156.6**
1977	155.3	152.8	154.6	156.8	158.7	162.0	163.8	162.8	161.4	161.3	162.1	162.6	**159.5**
1978	162.3	163.1	163.6	163.3	163.6	166.7	166.8	165.9	163.9	163.8	163.4	163.2	**164.1**
1979	161.7	161.4	162.2	162.7	163.6	166.2	167.3	167.1	167.3	167.4	167.8	167.4	**165.2**
1980	166.7	112.9	109.4	130.0	160.4	166.0	169.1	169.0	167.7	167.9	168.5	169.5	**154.8**
1981	171.0	170.7	171.6	171.8	173.0	174.7	175.4	175.5	173.2	172.5	172.5	171.6	**172.8**
1982	167.0	165.8	164.8	163.9	163.8	163.7	163.9	163.0	165.0	163.4	163.2	162.9	**164.2**
1983	161.7	160.9	159.9	159.6	159.4	159.8	159.1	157.9	156.3	155.4	154.7	154.1	**158.2**
1984	152.6	151.8	151.9	151.1	151.4	152.0	152.4	152.1	150.3	149.6	149.5	148.5	**151.1**
1985	147.6	146.2	144.9	144.2	143.6	144.4	143.6	142.2	135.3	135.1	135.0	134.9	**141.4**
1986	134.1	133.5	133.5	133.1	132.8	133.0	132.5	131.2	129.0	127.7	127.1	125.2	**131.1**
1987	126.0	125.7	126.0	125.8	126.2	127.3	127.8	127.8	127.0	127.0	127.1	127.2	**126.7**
1988	127.4	125.7	125.3	120.4	122.1	123.2	129.5	129.7	128.8	128.5	128.6	128.3	**126.5**
1989	128.0	121.6	121.6	121.6	121.9	123.8	124.3	124.5	123.4	123.4	123.5	123.4	**123.4**

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Labor Statistics

Average Hourly Earnings of Production Workers
Dollars

	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968
Oil & Gas Extraction	NA	NA	2.39	2.43	2.46	2.53	2.60	2.66	2.66	2.74	2.87	3.03	3.22
Crude Petroleum, Natural Gas, & NGL	2.35	2.47	2.54	2.65	2.69	2.80	2.83	2.92	2.95	3.03	3.13	3.25	3.39
Oil & Gas Field Services	NA	NA	2.24	2.25	2.26	2.30	2.41	2.43	2.43	2.53	2.70	2.88	3.11
Petroleum Refining	2.66	2.77	2.84	2.99	3.02	3.16	3.19	3.32	3.37	3.47	3.60	3.77	3.94
Pipe Lines Except Natural Gas	NA	NA	2.93	3.05	3.09	3.27	3.27	3.40	3.46	3.54	3.69	3.85	4.04
Gas Production & Distribution	2.07	2.18	2.30	2.39	2.47	2.56	2.66	2.77	2.84	2.94	3.06	3.21	3.37
Petroleum & Petroleum Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gasoline Service Stations	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Oil & Gas Extraction	3.43	3.57	3.78	4.04	4.33	4.87	5.38	5.85	6.37	7.01	7.72	8.59	9.50
Crude Petroleum, Natural Gas, & NGL	3.59	3.83	4.15	4.52	4.79	5.30	6.01	6.61	7.16	8.05	8.78	9.70	10.78
Oil & Gas Field Services	3.33	3.40	3.52	3.73	4.06	4.66	5.07	5.49	6.04	6.61	7.34	8.23	9.14
Petroleum Refining	4.23	4.49	4.82	5.22	5.58	6.01	6.93	7.78	8.48	9.32	10.08	10.94	12.17
Pipe Lines Except Natural Gas	4.26	4.57	4.87	5.21	5.53	6.05	6.89	7.45	8.14	8.81	9.52	10.50	11.50
Gas Production & Distribution	3.57	3.82	4.09	4.40	4.72	5.07	5.50	6.09	6.62	7.10	7.65	8.27	9.10
Petroleum & Petroleum Products	NA	NA	NA	4.18	4.46	4.98	5.46	5.81	6.16	6.84	7.70	8.51	9.04
Gasoline Service Stations	NA	NA	NA	2.54	2.69	2.98	3.16	3.33	3.44	3.67	4.02	4.47	4.83

	1982	1983	1984	1985	1986	1987	1988	1989
Oil & Gas Extraction	10.25	10.65	10.72	11.06	11.61	11.51	11.77	12.34
Crude Petroleum, Natural Gas, & NGL	11.80	12.35	12.76	13.29	13.75	14.02	14.46	15.28
Oil & Gas Field Services	9.76	9.94	9.92	10.15	10.31	9.97	10.22	10.66
Petroleum Refining	13.30	14.33	14.57	15.26	15.34	15.75	16.20	16.63
Pipe Lines Except Natural Gas	12.59	14.06	14.75	15.26	15.12	15.36	15.76	16.21
Gas Production & Distribution	9.74	10.43	11.13	11.76	12.53	13.02	13.32	13.76
Petroleum & Petroleum Products	9.65	10.12	9.92	9.77	9.75	9.57	9.70	9.93
Gasoline Service Stations	5.03	5.19	5.23	5.29	5.43	5.53	5.77	5.96

Data from Oil & Gas Journal Energy Database.
Source: Bureau of Labor Statistics.

Industrial Production Index
Seasonally Adjusted
1987=100

	Total Index	Oil & Gas Extraction	Petroleum Products
1960	38.1	74.3	57.3
1961	38.3	76.0	59.6
1962	41.5	78.2	62.7
1963	44.1	81.2	65.6
1964	47.0	83.6	67.4
1965	51.7	86.3	68.7
1966	56.3	90.9	71.7
1967	57.5	95.3	74.5
1968	60.7	99.1	78.2
1969	63.5	102.0	80.3
1970	61.4	104.8	83.9
1971	62.2	103.6	86.7
1972	68.3	105.4	90.7
1973	73.8	104.9	95.8
1974	72.7	104.2	92.5
1975	66.3	101.8	91.4
1976	72.4	100.0	97.2
1977	78.2	104.6	104.8
1978	82.6	108.5	108.1
1979	85.7	107.1	107.2
1980	84.1	112.1	99.2
1981	85.7	118.2	94.2
1982	81.9	114.2	89.3
1983	84.9	109.3	89.5
1984	92.8	115.5	92.9
1985	94.4	111.9	92.6
1986	95.3	102.0	98.9
1987	100.0	100.0	100.0
1988	105.4	99.4	103.4
1989	108.1	95.5	106.0

Source: Federal Reserve System

Producer Price Index
All commodities
(1982=100)

1946	20.817	1970	36.900
1947	25.575	1971	38.108
1948	27.683	1972	39.792
1949	26.308	1973	45.025
1950	27.342	1974	53.483
1951	30.425	1975	58.417
1952	29.600	1976	61.133
1953	29.175	1977	64.875
1954	29.258	1978	69.942
1955	29.358	1979	78.725
1956	30.283	1980	89.808
1957	31.175	1981	98.033
1958	31.592	1982	100.017
1959	31.667	1983	101.250
1960	31.683	1984	103.675
1961	31.575	1985	103.150
1962	31.650	1986	100.167
1963	31.575	1987	102.808
1964	31.633	1988	106.942
1965	32.267	1989	112.242
1966	33.308		
1967	33.400		
1968	34.233		
1969	35.592		

Source: Bureau of Labor Statistics

Total U.S. Motor Vehicle Registration and Motor Fuel Consumption

	Motor Vehicle Registration (millions)					Motor Fuel Consumption (000 b/d)		
	Passenger Cars	Motorcycles	Buses	Trucks	Total	Gasoline	Other Fuels	Total
1961	63.4	0.6	0.3	12.3	76.6	4,034	176	4,210
1962	66.1	0.7	0.3	12.8	79.8	4,120	192	4,312
1963	69.0	0.8	0.3	13.4	83.5	4,274	211	4,485
1964	72.0	1.0	0.3	14.0	87.3	4,454	236	4,690
1965	75.3	1.4	0.3	14.8	91.7	4,644	269	4,913
1966	78.1	1.8	0.3	15.5	95.7	4,846	306	5,152
1967	80.4	2.0	0.3	16.2	98.9	5,014	329	5,343
1968	83.6	2.1	0.4	16.9	103.0	5,300	370	5,670
1969	86.9	2.3	0.4	17.9	107.4	5,604	413	6,017
1970	89.2	2.8	0.4	18.8	111.2	5,845	439	6,284
1971	92.7	3.3	0.4	19.9	116.3	6,125	494	6,619
1972	97.1	3.8	0.4	21.3	122.6	6,529	554	7,083
1973	102.0	4.4	0.4	23.2	130.0	6,819	642	7,460
1974	104.9	5.0	0.4	24.6	134.9	6,531	639	7,170
1975	106.7	5.0	0.5	25.8	137.9	6,719	628	7,347
1976	110.4	5.0	0.5	27.7	143.5	7,075	697	7,772
1977	113.7	5.0	0.5	29.6	148.8	7,287	760	8,046
1978	116.6	5.1	0.5	31.7	153.9	7,555	837	8,392
1979	120.2	5.5	0.5	33.3	159.6	7,291	913	8,204
1980	121.7	5.7	0.5	33.6	161.6	6,820	896	7,716
1981	123.5	5.8	0.5	34.5	164.3	6,726	969	7,695
1982	123.7	5.7	0.6	35.3	165.3	6,679	972	7,651
1983	126.7	5.6	0.6	36.5	169.4	6,731	1,043	7,774
1984	127.9	5.5	0.6	38.0	172.0	6,850	1,127	7,977
1985	132.1	5.4	* NA	* 39.6	177.1	7,020	1,158	8,178
1986	135.4	5.3	* NA	* 40.8	181.5	7,229	1,202	8,431
1987	137.3	4.9	* NA	* 41.7	183.9	7,359	1,242	8,601
1988	141.3	4.6	* NA	* 43.1	189.0	7,405	1,306	8,711
1989	144.4	4.4	* NA	* 44.3	193.0	7,462	1,351	8,813

* Buses are included with trucks beginning in 1985.

Data from Oil & Gas Journal Énergy Database.
Source: Federal Highway Administration

Vehicle Miles of Travel & Fuel Consumption

	Passenger Cars			All Vehicles		
	1,000 Miles per Car	Gallons per Car	Average Miles per Gallon	1,000 Miles per Vehicle	Gallons per Vehicle	Average Miles per Gallo
1960	9.45	661	14.3	9.65	777	12.4
1961	9.47	658	14.4	9.65	776	12.4
1962	9.44	657	14.4	9.62	774	12.4
1963	9.24	648	14.3	9.65	773	12.5
1964	9.29	652	14.3	9.70	778	12.5
1965	9.39	667	14.1	9.68	775	12.5
1966	9.92	703	14.1	9.68	780	12.4
1967	10.06	715	14.1	9.75	786	12.4
1968	10.14	731	13.9	9.86	805	12.2
1969	10.16	746	13.6	9.89	821	12.0
1970	10.27	760	13.5	10.00	830	12.0
1971	10.42	770	13.5	10.13	839	12.1
1972	10.52	785	13.4	10.28	857	12.0
1973	10.26	771	13.3	10.10	850	11.9
1974	9.61	716	13.4	9.49	788	12.0
1975	9.69	716	13.5	9.63	790	12.2
1976	9.79	723	13.5	9.74	806	12.1
1977	9.88	716	13.8	9.98	814	12.3
1978	9.84	701	14.0	10.08	816	12.4
1979	9.40	653	14.4	9.72	776	12.5
1980	9.14	591	15.5	9.46	712	13.3
1981	9.19	576	15.9	9.46	697	13.6
1982	9.43	566	16.7	9.64	686	14.1
1983	9.49	553	17.1	9.76	686	14.2
1984	9.56	536	17.8	10.02	691	14.5
1985	9.56	525	18.2	10.02	685	14.6
1986	9.61	526	18.3	10.12	690	14.7
1987	9.88	514	19.2	10.45	694	15.1
1988	10.12	507	20.0	10.72	687	15.6

Data from Oil & Gas Journal Energy Database.
Source: Federal Highway Administration

Appendix 1

Chronology of Major Events Affecting Oil & Gas Industry

1859
Colonel Edwin Drake discovers oil in Venango County, Pennsylvania at a depth of 69-1/2 ft.

1866
First oilwell drilled in Texas in Nacogdoches County.

April 1897
Nellie Johnstone No. 1 completed to become first commercial oilwell in Oklahoma.

1901
Discovery of Spindletop field in Texas. Drilling mud was used for the first time in the drilling of Spindletop wells. Price of oil falls dramatically.

1901
First oil production in Louisiana from Heywood Brothers No. 1 Jennings in Acadia Parish.

1905
Glenn Pool field discovered near Tulsa, Oklahoma.

1908
First oil production in the Middle East at Masjid-i Suleiman, Iran.

1911
Sherman Anti-Trust legislation is used as basis for breaking up Standard Oil Trust.

1919
American Petroleum Institute (API) founded.

October 1930
No. 3 Daisy Bradford well discovers East Texas field.

1936
First recorded crude oil production in Saudi Arabia.

1938
Mexico nationalizes foreign oil companies.

1938
Natural Gas Act allows Federal Power Commission to regulate pipelines.

1946
First recorded crude oil production in Kuwait.

December 1955
U.S. rig count reaches 3,137, a record which would remain unbroken until 1980.

1958
First commercial crude oil production in Alaska.

1960
Organization of Petroleum Exporting Countries (OPEC) is formed.

November 1964
U.K. grants licenses for exploration in the North Sea.

August 1970
West Ekofisk oil field discovered in Norwegian North Sea.

Appendix 1 (Continued)

August 1972
Brent oil field discovered in U.K. North Sea.

October 1973
OPEC increases prices by around 70%. Arab members of OPEC cut production and announce embargo on sales to the U.S.

1974
OPEC crude postings increase by up to 130%.

January 1974
Construction permit for Alaskan pipeline issued.

March 1974
Embargo on oil sales to U.S. lifted.

April 1974
Bertha Rogers No. 1 is completed near Washita, Oklahoma. At 31,441 feet it is the deepest well drilled in the U.S.

November 1974
International Energy Agency is formed.

1975
OPEC increases marker crude postings by 10%.

May 1975
Announcement of discovery of Brae field in U.K. North Sea.

September 1975
IEA member nations agree to increase emergency oil stocks to 70 day's supply from the previous level of 60 day's supply.

December 1975
Authorization of construction and filling of Strategic Petroleum Reserve.

February 1976
Design and implementation of two-tier pricing system for U.S. crude oil.

January 1977
Saudi Arabia and UAE increase prices by 5% while all other OPEC members increase prices by 10%.

August 1977
Start of North Slope production in Alaska.

October 1977
First crude oil imported for the Strategic Petroleum Reserve.

1978
U.S. demand peaks at 18.847 million b/d.

October 1978
Iran's production levels are disrupted by internal political difficulties.

November 1978
Natural Gas Policy Act (NGPA) places controls on natural gas prices and gives Federal Energy Regulatory Commission (FERC) authority over intrastate as well as interstate gas production.

Appendix 1 (Continued)

1979
World oil demand peaks at 41.6 million b/d.

May 1979
Gasoline shortages and rationing in the U.S.

November 1979
Official price of Saudi Light crude oil reaches $24/bbl.

April 1980
President Carter signs the "Windfall Profits" tax bill.

May 1980
Saudi Arabia increases price of Arabian Light to $28/bbl. retroactive to April 1st.

June 1980
OPEC meeting establishes a $32/bbl. benchmark price with a maximum price of $37/bbl.

September 1980
Iran-Iraq war disrupts production in both countries.

December 1980
OPEC meeting raises maximum price to $41/bbl. Saudi Arabia raises price for Arabian Light to $32/bbl. retroactive to November 1st.

January 1981
President Reagan lifts remaining price controls from domestic crude oil.

March 1981
U.S. crude oil wellhead price peaks at $34.70/bbl.

May 1981
OPEC decides to maintain current price levels but most countries agree to cut production by 10% to firm prices which had begun to slide.

October 1981
OPEC set crude oil marker price at $34/bbl. Saudi Arabia put production ceiling of 8.5 million b/d on Aramco crude.

December 1981
U.S. rig count peaks at 4,530 active rigs.

March 1982
OPEC imposes a crude oil production ceiling of 17.5 million b/d in effort to firm falling prices.

December 1982
OPEC agrees to an 18.5 million b/d production ceiling for 1983.

February 1983
OPEC reduces production ceiling to 17.5 million b/d. Marker crude price is reduced to $29/bbl.

October 1984
OPEC cuts production ceiling to 16.0 million b/d. Marker crude remains at $29/bbl.

January 1985
Saudi Light price reduced to $28/bbl.

Appendix 1 (Continued)

January 1985
Many U.S. natural gas prices are decontrolled. "Old" gas remains under price controls.

March 1985
U.K. coal miners strike. Strike has serious effect on European energy demand.

December 1985
OPEC changes policy and decides to secure market share rather than support price.

July 1986
Average U.S. crude oil wellhead price bottoms out at $9.39/bbl., the lowest price since November 1978.

July 1986
Posted price for West Texas Intermediate hits a low of $12.25/bbl.

July 1986
U.S. rig count reaches a new post-war low of 663.

September 1986
Prices begin to firm after OPEC agrees to an informal quota system for production.

December 1986
U.S. crude oil production falls to 8.35 million b/d, the lowest figure since 1977.

December 1986
OPEC agrees to a formal quota of 15.8 million b/d for the first half of 1987.

July 1987
OPEC revises their crude oil production quota upward to 16,600 b/d.

August 1987
Posted price for West Texas Intermediate rebounds to $20 bbl. for a short period before falling off again.

August 1988
Cease-fire between Iran and Iraq.

October 1988
Average price for world export crudes falls to $10.13/bbl.

November 1988
OPEC adopts new production quota of 18.5 million b/d for first half of 1989.

1988
U.S. imports of crude oil and petroleum products reach the highest level since 1979, 7.351 million b/d.

March 1989
Oil tanker Exxon Valdez runs aground off Alaska causing U.S. largest oil spill.

July 1989
OPEC boosts production quota to 19.5 million b/d.

October 1989
OPEC raises production quota again to 20.5 million b/d.

1989
Average price of world export crude oil moves up to 20.7% to average $16.65/bbl for the year.

Appendix 1 (Continued)

1989
OPEC production moves up to an average 22.048 million b/d, the highest level since 1981.

1989
U.S. crude oil production falls to 7.613 million b/d, the lowest level since 1963.

Appendix 2

Glossary of Abbreviations and Terms

AAPG
American Association of Petroleum Geologists

AGA
American Gas Association

AOSC
Association of Oilwell Servicing Contractors

API
American Petroleum Institute

As Completed
A term used to describe recording of well completion data by the American Petroleum Institute. As completed indicates that when a well is reported it is added back into the total for the month in which it was actually completed. Thus, historical data will be more accurate as a measure of wells drilled, but recent time periods will be subject to constant revision as additional wells are reported and placed into the time period (month or year) in which they were actually completed. API started reporting wells on an as completed basis in January 1985. They developed historical information for 1970–1984 on an as completed basis.

As Reported
A term used to describe recording of well completion data by the American Petroleum Institute. As reported indicates that wells are shown as completions in the month they were reported to the API regardless of when the well was actually drilled and completed. The wells were most likely drilled and completed in the prior 4–6 month period. Until January 1985, all data on well completions from the API was on an as reported basis.

Baker Hughes
Baker Hughes Incorporated

Bbl
Barrel. A barrel is equivalent to 42 U.S. gallons.

Bcf
Billion cubic feet

B/d
Barrels per day

BLS
Bureau of Labor Statistics of the Department of Commerce

BOM
Bureau of Mines. The Bureau of Mines was responsible for all oil and gas reporting in the U.S. prior to the formation of the Energy Information Administration.

BP
British Petroleum

BTU
British Thermal Unit, a generalized measure of heating value.

Crude Oil & Condensate
In this publication, crude oil is used to refer to crude oil and condensate unless otherwise noted. Traditionally condensate is separated from the gas at the wellhead and added to the crude stream or accounted for similar to crude oil.

Distillate fuel oil
Light fuel oil products, generally No. 2 and No. 4 fuel oils. May include diesel fuel.

EIA
Energy Information Administration of the Department of Energy

IADC
International Association of Drilling Contractors

IEA
International Energy Agency. See list of member nations in Appendix 3.

IPAA
Independent Petroleum Association of America

JAS
Joint Association Survey on Drilling Costs, compiled and published by the American Petroleum Institute, the Independent Petroleum Association of America, and the Mid-Continent Oil & Gas Association.

Jet Kerosine
Kerosine type jet fuel.

Jet Naphtha
Naptha type jet fuel. The primary user of jet naphtha is the U.S. military. Commercial jets generally use kerosine type jet fuel.

Kwh
Kilowatt hour

LNG
Liquified natural gas. Natural gas which has been converted to liquid form for transportation and sale.

LPG
Liquified petroleum gases, which generally include butane, propane, isobutane, and ethane. The term LPG & Ethane is sometimes used since ethane statistics used to be reported separately from other LPG products in U.S. government publications.

MAFLA
The area of the Gulf of Mexico offshore from Mississippi, Alabama, and Florida.

Mcf and Mmcf
Thousand cubic feet and million cubic feet

Mill
Million

MMS
Minerals Management Service of the Department of Interior

NGL
Natural gas liquids. The liquid products which are produced with and from natural gas.

North Slope
Refers to the northern area of Alaska. In general, North Slope refers to crude oil produced from Prudhoe Bay, Kuparuk and other developments in that area of northern Alaska.

NSWA
National Stripper Well Association

Appendix 2 (Continued)

OECD
Organization for Economic Cooperation and Development. See list of member nations in Appendix 3.

OGJ
Oil & Gas Journal

OAPEC
Organization of Arab Petroleum Exporting Countries.

OPEC
Organization of Petroleum Exporting Countries. See list of member nations in Appendix 3.

OCS
Outer Continental Shelf

PAD
Petroleum Allocation for Defense. A notation which divides the U.S. into 5 districts. Used as geographic reporting entities by the Energy Information Administration and others.

Processing Gain
The increase in total product volume after the refining process. As crude oil is processed into various products, the total volume in terms of barrels is increased (or decreased) depending upon the mix of products produced. In recent years, refinery processing gain has been growing due to the increasing quantities of light products produced.

Quads
Quadrillion BTU's

Residual fuel oil
Heavy fuel oil products, generally No. 5 and No. 6 fuel oils.

SEG
Society of Exploration Geophysicists

SII
Smith International Inc.

SPR
Strategic Petroleum Reserve

Stripper wells
Wells which produced less than 10 bbl. of oil per day.

Tcf
Trillion cubic feet

Ton
Metric ton

Total Liquids
A term used to indicate all liquids produced in the oil field including crude oil, condensate, natural gas liquids, other hydrocarbons and alcohol, pentanes and small amounts of natural petroleum products. Does not include water.

Wellhead revenues
The total dollar value of crude oil and natural gas at the wellhead. Wellhead revenues are calculated based on the production volumes of crude oil and natural gas multiplied by their respective average wellhead price.

Appendix 3

Organization of Petroleum Exporting Countries - OPEC

Member Nations (Year of Entry)

Algeria (1967)

Ecuador (1973)

Gabon (1973)

Indonesia (1962)

Iran (1960)

Iraq (1960)

Kuwait (1960)

Libya (1962)

Neutral Zone* (1960)

Nigeria (1971)

Qatar (1961)

Saudi Arabia (1960)

United Arab Emirates (1974):
  Abu Dhabi (1967)
  Dubai
  Ra's al Kaymah
  Sharjah

Venezuela (1960)

---

* Production from the Neutral Zone is shared equally by Saudi Arabia and Kuwait.

Appendix 3

Organization for Economic Cooperation and Development - OECD

Member Nations

Australia

Austria

Belgium

Canada

Denmark

Finiand

France

Greece

Iceland

Ireland

Italy

Japan

Luxembourg

Netherlands

New Zealand

Norway

Portugal

Spain

Sweden

Switzerland

Turkey

United Kingdom

United States

West Germany

Yugoslavia

Appendix 3

International Energy Agency - IEA

Member Nations

Australia

Austria

Belgium

Canada

Denmark

Finland

France

Greece

Iceland

Ireland

Italy

Japan

Luxembourg

Netherlands

New Zealand

Norway

Portugal

Spain

Switzerland

Turkey

United Kingdom

United States

West Germany

Appendix 4

Approximate Conversion Factors

For crude oil:

From: / Into:	Tonnes	Long tons	Short tons	Barrels	Kilolitres (cu. metres)	1000 gal. (Imperial)	1000 gal. (U.S.)
				Multiply by			
Tonnes	1	0.984	1.102	7.33	1.16	0.256	0.308
Long tons	1.016	1	1.120	7.45	1.18	0.261	0.313
Short tons	0.907	0.893	1	6.65	1.05	0.233	0.279
Barrels	0.136	0.134	0.150	1	0.159	0.035	0.042
Kilolitres (cubic metres)	0.863	0.849	0.951	6.29	1	0.159	0.035
1000 gallons (Imp.)	3.91	3.83	4.29	28.6	4.55	1	1.201
1000 gallons (U.S.)	3.25	3.19	3.58	23.8	3.79	0.833	1

For crude oil and products:

To convert:	Barrels to Tonnes	Tonnes to Barrels	B/D to T/Y	T/Y to B/D
		Multiply by		
Crude oil	0.136	7.33	49.8	0.0201
Motor spirit	0.118	8.45	43.2	0.0232
Kerosine	0.128	7.80	46.8	0.0214
Gas oil/diesel	0.133	7.50	48.7	0.0205
Fuel oil	0.149	6.70	54.5	0.0184

Weight conversions:

1 metric ton = 1,000 kilograms
1 metric ton = 2204.62 pounds
1 long ton = 2240 pounds
1 short ton = 2000 pounds

Volume:

1 barrel = 42 U.S. gallons
1 cubic foot = 0.0283 cubic metres
1 cubic metre = 35.315 cubic feet

1 barrel of crude oil (equivalent) = 5642 cubic feet of natural gas

Appendix 4 (Continued)

Approximate Heat Content of Fuels

Coal		
Production	Mill BTU/short ton	21.94
Consumption	Mill BTU/short ton	21.53
Non-utility	Mill BTU/short ton	23.81
Electric utility	Mill BTU/short ton	21.16
Imports	Mill BTU/short ton	25.00
Exports	Mill BTU/short ton	26.34
Coal coke	Mill BTU/short ton	24.80
Crude oil		
Production	Mill BTU/barrel	5.800
Imports	Mill BTU/barrel	5.901
Exports	Mill BTU/barrel	5.800
Crude oil and petroleum products		
Imports	Mill BTU/barrel	5.820
Exports	Mill BTU/barrel	5.858
Petroleum products (weighted average)		
Consumption	Mill BTU/barrel	5.403
Residential and commercial	Mill BTU/barrel	5.211
Industrial	Mill BTU/barrel	5.312
Transportation	Mill BTU/barrel	5.421
Electric utilities	Mill BTU/barrel	6.249
Imports	Mill BTU/barrel	5.633
Exports	Mill BTU/barrel	5.873
LPG consumption	Mill BTU/barrel	3.659
Natural gas plant liquids		
Production	Mill BTU/barrel	3.804
Natural gas		
Production, dry	BTU/cubic foot	1,030
Production, wet	BTU/cubic foot	1,110
Consumption	BTU/cubic foot	1,030
Non-utility	BTU/cubic foot	1,029
Electric utilities	BTU/cubic foot	1,034
Imports	BTU/cubic foot	997
Exports	BTU/cubic foot	1,008
Electricity		
Fossil fuel steam-electric	BTU/kilowatt hour	10,261
Nuclear	BTU/kilowatt hour	10,799
Geothermal	BTU/kilowatt hour	21,263
Electricity consumption	BTU/kilowatt hour	3,412

Appendix 4 (Continued)

Approximate Heat Content of Refined Petroleum Products

	Million BTU per barrel
Asphalt	6.636
Aviation gasoline	5.048
Butane	4.326
Distillate fuel oil	5.825
Ethane	3.082
Isobutane	3.974
Jet fuel - kerosine type	5.670
Jet fuel - naphtha type	5.355
Kerosine	5.670
Lubricants	6.065
Motor gasoline	5.253
Natural gasoline	4.620
Pentanes plus	4.620
Petrochemical feedstocks	
Naphtha 400 deg. F or less	5.248
Other oils over 400 deg. F	5.825
Still gas	6.000
Petroleum coke	6.024
Propane	3.836
Residual fuel oil	6.287
Road oil	6.636
Special naphtha	5.248
Unfinished oils	5.825
Wax	5.537

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